



BALCRON OIL

A Division of  
Equitable Resources Energy Company

P.O. Box 21017  
1601 Lewis Avenue Building  
Billings, Montana 59104  
(406) 259-7860

RECEIVED

SEP 17 1992

DIVISION OF  
OIL GAS & MINING

September 16, 1992

-- VIA FEDERAL EXPRESS --

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Applications for Permit to Drill

Enclosed are copies of the Federal Applications for Permit to Drill the seven wells on the attached list. Also attached is a copy of the water permit and one copy of the Archeology Survey which are referenced in the APDs.

Every effort to comply with statewide spacing was made when staking these seven wells. However, in many instances both topographical reasons and requests by the Bureau of Land Management necessitated moving some of the sites from the location which was originally intended. If there is anything else we need to do in order to ensure that these locations are acceptable according to State regulations, please let me know.

Approximate starting dates have been put on the APDs. However, the order of drilling may change depending on when the permits are approved.

As operator we hereby request that the information on these wells be held tight for the maximum period allowed by State regulations.

If you have any questions or need further information, please let me know.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs  
Enclosures/Attachments

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐  
SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR  
P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1787' FSL, 2147' FWL NE SW  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 16 miles from Myton, UT. See EXHIBIT "B"

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE  
40 acres

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
5,750'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,622'

22. APPROX. DATE WORK WILL START\*  
November 15, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx G. W. 34-0001
See attached Drilling Program for production casing.				

EXHIBITS

"A" Proposed Drilling Program  
"B" Proposed Surface Use Program  
"C" Geologic Prognosis  
"D" Drilling Program/Casing Diagram  
"E" Evidence of Bond Coverage  
"F" Archeology Report

"G" Rig Layout  
"H" BOPE Schematic  
"I" Location Site and Elevation Plat  
"J" Existing Roads/Planned Access (Map A & B)  
"K" Existing Wells (Map C)  
"L" Drillsite Layout/Cut and Fill Diagrams

SEP 17 1992

DIVISION OF  
OIL, GAS, AND MINING

NOTE: In accordance with request by the Vernal BLM representative, only one copy of EXHIBIT "F" Archeology Report is included with this permit.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Coordinator of Environmental and Regulatory Affairs DATE 9-15-92

(This space for Federal or State office use)

PERMIT NO. 43-013-31369

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE: 9-21-92

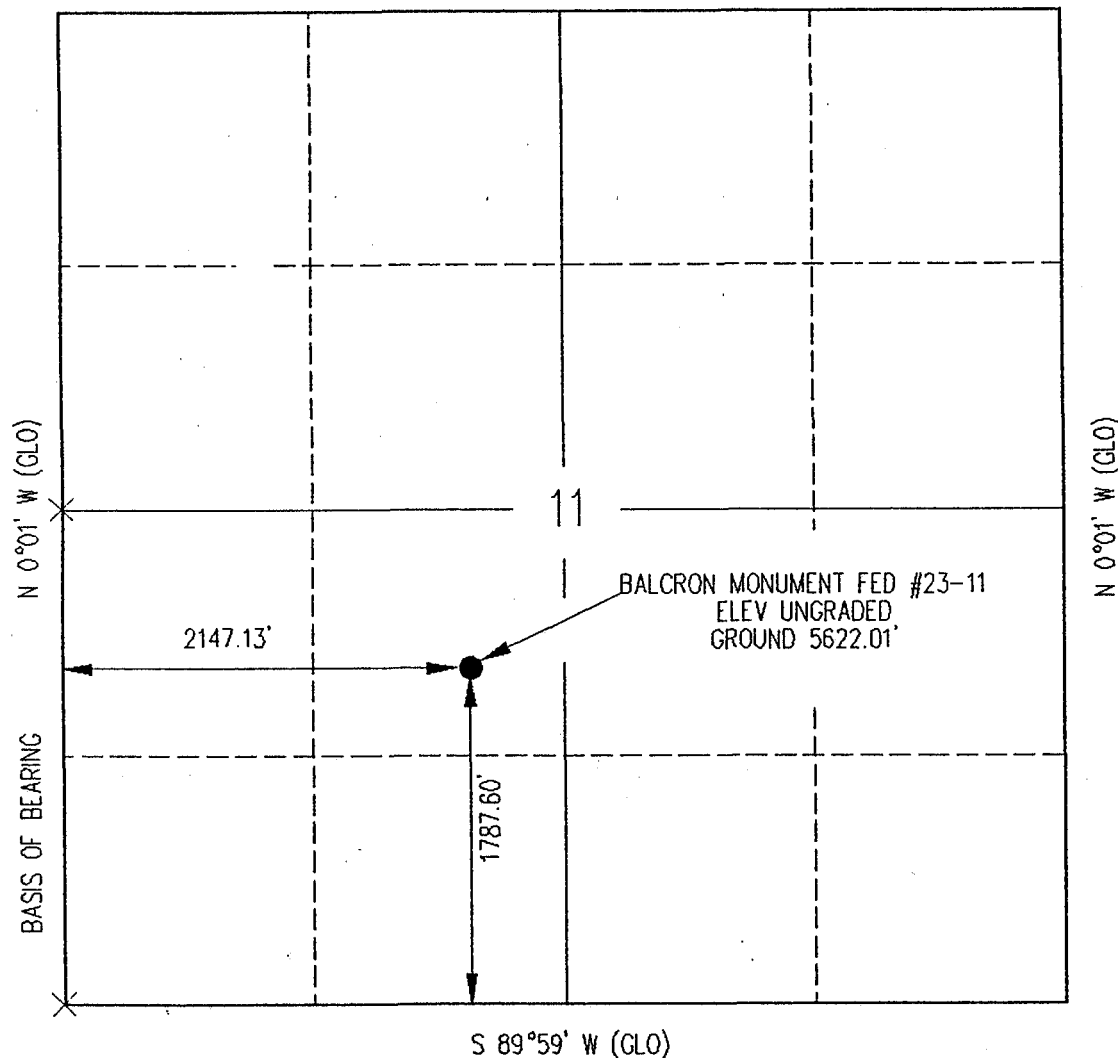
BY: [Signature]

WELL SPACING: 649-3-2

\*See Instructions On Reverse Side

T9S, R16E, S.L.B. & M.

S 89°56' W (GLO)



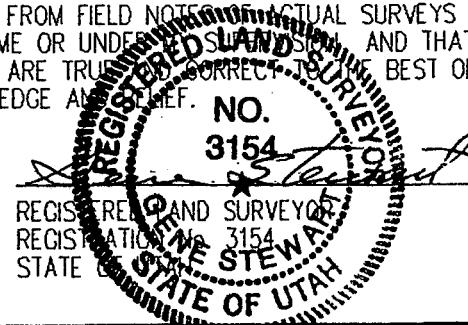
X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SOUTHEAST)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED #23-11,  
LOCATED AS SHOWN IN THE NE 1/4 SW 1/4  
OF SECTION 11, T9S, R16E, S.L.B. & M,  
DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES AND ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING  
38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 7/28/92	WEATHER: CLEAR & HOT
NOTES:	FILE # #M-23-11

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #23-11  
NW SW Section 11-T9S-R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.



4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Duchesne River formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #23-11  
NE SW Section 11, T9S, R16E  
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 200' & 250' NE and 175' & 225' NW
- B. The Monument Federal #23-11 is located approximately 16.6 miles Southwesterly of Myton Utah, in the NE1/4 SW1/4 Section 11, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 23-11, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with Monument Butte Gas Plant road. Proceed West along said Gas Plant road 3.0 miles to road intersection, turn left and continue 1.9 miles, turn left and proceed 0.6 miles to Balcron well #23-11 access road. Follow flags 150' to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 150 feet of new road construction will be required for access to the proposed well location. A BLM right-of-way is hereby applied for a portion of the access.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 4%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - None required.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and

shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

**A. Existing**

- 1. Tank batteries - see Map #B.
- 2. Production facilities - see Map #B.
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map #B.

**B. New Facilities Contemplated**

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be

obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## 5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal

Utah.

- B. No water well will be drilled on this location.

## 6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

## 7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If at the time of construction it is determined to be necessary, the reserve pit will be lined with a plastic nylon reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

**9. Wellsite Layout:**

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be located on the Southeast side, and the flare pit will be downwind of the prevailing wind direction on the Northwest. Access to the well pad will be from the West near corner #7.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind on the East side of location between corner #5 and corner #6, at least 100' from the wellhead and at least 30' from the reserve pit. This pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the well site location.

The reserve pit will not be lined unless requested by the B.L.M. or unless it is deemed necessary by Equitable Resources. If a plastic-nylon reinforced liner is used, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than



sixteen (16) feet.

3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the it as soon as possible after drilling operations are completed.

#### 10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all

disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seeded will be prepared by dishing, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
1	Forage Kochia ( <i>Kochia prostrata</i> )
5	Ephriam Crested Wheatgrass ( <i>Agropyron cristatum</i> Ephriam)
4	Russian Wildrye ( <i>Elymus junceus</i> )
2	Fourwing Saltbush ( <i>Atriplex canescens</i> )

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost.

Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

**B. Dry Hole/Abandoned Location**

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (a) re-establishing irrigation systems where applicable,
  - (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and,
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.
  - (a) A silt catchment basin of approximately 1/2 acre foot capacity will be constructed according to BLM specifications approximately 300' West of corner #1, where flagged.

**11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

**12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte

oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 11 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

B. The surface ownership is Federal. The surface use is

grazing and petroleum production.

- C. 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
2. There are no occupied dwellings in the immediate area
3. An archaeological report will be forwarded upon completion.
4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Balcron Oil  
a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Mike Perius, Operations Supervisor Home (406)656-9719

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

September 15, 1992

Date

Bobbie Schuman

Bobbie Schuman  
Coordinator of Enviromental  
and Regulatory Affairs  
BALCRON OIL division of  
Equitable Resources Energy  
Company

## BALCRON OIL COMPANY

## Geologic Prognosis

EXPLORATORY \_\_\_\_\_  
DEVELOPMENT      X

WELL NAME: Balcron Monument Federal #23-11 PROSPECT/FIELD: Monument Butte  
 LOCATION: 1787 FSL, 2147 FWL SECTION 11 TOWNSHIP 9S RANGE 16E  
 COUNTY: Duchesne STATE: UT GL(Ungl): 5622 EST KB: 5630 TOTAL DEPTH 5750

FORM. TYPE:

[illegible]

CONTROL WELL: Goates Fed. #2 \_\_\_\_\_ Qtr/01r NW/SW Section 11 \_\_\_\_\_ Township 9S \_\_\_\_\_ Range 16E

• SAMPLES:

	'	s a m p l e s ,		'	t o
-----	,	s a m p l e s ,	-----	,	t o
-----	,	s a m p l e s ,	-----	,	t o
-----	,	s a m p l e s ,	-----	,	t o
-----	,	s a m p l e s ,	-----	,	t o
-----	,	s a m p l e s ,	-----	,	t o

Genel Samples To:

Utah Geological Survey Sample Library

LOGS:

[illegible]

**CHARTS :**

none

DRILL STEIN TESTS:

none

11UG LOGGER/HOT WIRE:

Required: (Yes/No) Yes  
Type: 2 man unit

## WELLSITE GEOLOGIST:

From \_\_\_\_\_ to \_\_\_\_\_  
Name: \_\_\_\_\_ Tele. #: (\_\_\_\_) \_\_\_\_\_  
Address: \_\_\_\_\_

COMMENTS :

-----

PREPARED BY: Steve VanDelinder  
R Keven Reinschmidt

DATE: 8-10-92

**BALCRON OIL  
DRILLING PROGRAM**

WELL NAME: Balcron Monument      PROSPECT/FIELD: Monument Butte  
                  Federal # 23-11  
 LOCATION: NE SW Sec 11 Twn 9S Rge 16E  
 COUNTY: Duchesne      STATE: Utah

TOTAL DEPTH: 5750'

**HOLE SIZE      INTERVAL**

=====

12 1/4"	Surf to 260'
7 7/8"	260' to 5750'

=====

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface	0'	260'	8 5/8"	24 #/FT	J-55
Production	0'	5750'	5 1/2"	15.50#/Ft	J-55

All casing will be ST&C, 8RD, New

**CEMENT PROGRAM**

=====

Surface	250 sacks class "G" with 3% CaCl. (Note: Volumes are 100% excess.)
Production	250 sacks Haliburton Hifill with 10 #/SK Gilsonite tailed with 180 sacks 50/50 Poz with 0.3% CFR-3, 1/4 #/Sk Flocele, 0.5% Halad-24, and 10% salt. (Note: Actual volumes will be calculated from caliper log.)

**PRELIMINARY  
DRILLING FLUID PROGRAM**

=====

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Fresh Gel/Native Mud	Surf	260	8.5	NA	NA
Water/Fresh Gel	260'	5750'	8.7-8.9	10-12	12-14

**COMMENTS**

1.) No cores or DSTs are planned .

DMM  
9-9-92



BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2280 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1992 (Revised 8/30/93)  
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Monument Fed. 23-11
Project ID: 1	Location: Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2054 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,750	5-1/2"	15.50	J-55	ST&C	5,750	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2629	4040	1.537	2629	4810	1.83	89.13	202	2.27 J

Prepared by : McCoskery, Billings, MT

Date : 09-15-1992

Remarks :

Minimum segment length for the 5,750 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,629 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1990 pricing model. (Version 1.0G)



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
MONTANA STATE OFFICE  
222 NORTH 32ND STREET  
P.O. BOX 36800  
BILLINGS, MONTANA 59107-6800

EXHIBIT "E"  
Page 1 of 4



IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

## NOTICE

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

OIL AND GAS

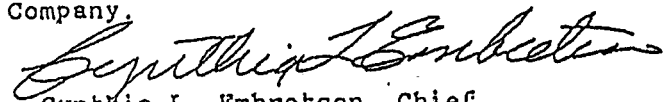
### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

cc: (w/encl.)  
AFS, Denver (1)  
All DMs (1 ea.)  
RMO Section (1)  
Regional Forester, Lakewood (2)  
Regional Forester, Missoula (2)  
Bureau of Reclamation (1)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100-----dollars (\$ 150,000.00 ), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SAFECO

SURETY RIDER

LA11611 E Page 3 of 4

SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
FIRST NATIONAL INSURANCE COMPANY  
OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond  
Bond No. 5547188 (BLM Bond No. MT0576)  
dated effective 9/8/88  
(MONTH, DAY, YEAR)  
executed by BALCRON OIL COMPANY, as Principal,  
(PRINCIPAL)  
and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,  
(SURETY)  
in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal  
From: BALCRON OIL COMPANY  
To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89  
(MONTH, DAY, YEAR)  
Signed and Sealed 4/10/89  
(MONTH, DAY, YEAR)  
EQUITABLE RESOURCES ENERGY COMPANY  
PRINCIPAL  
By: \_\_\_\_\_ TITLE  
SAFECO INSURANCE COMPANY OF AMERICA  
SURETY  
By: R. George Voinchet ATTORNEY-IN-FACT



POWER  
OF ATTORNEY

SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

EXHIBIT "E"  
Page 4 of 4

No. 3798

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each, a Washington corporation, does each hereby appoint

-----THOMAS L. VE HAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

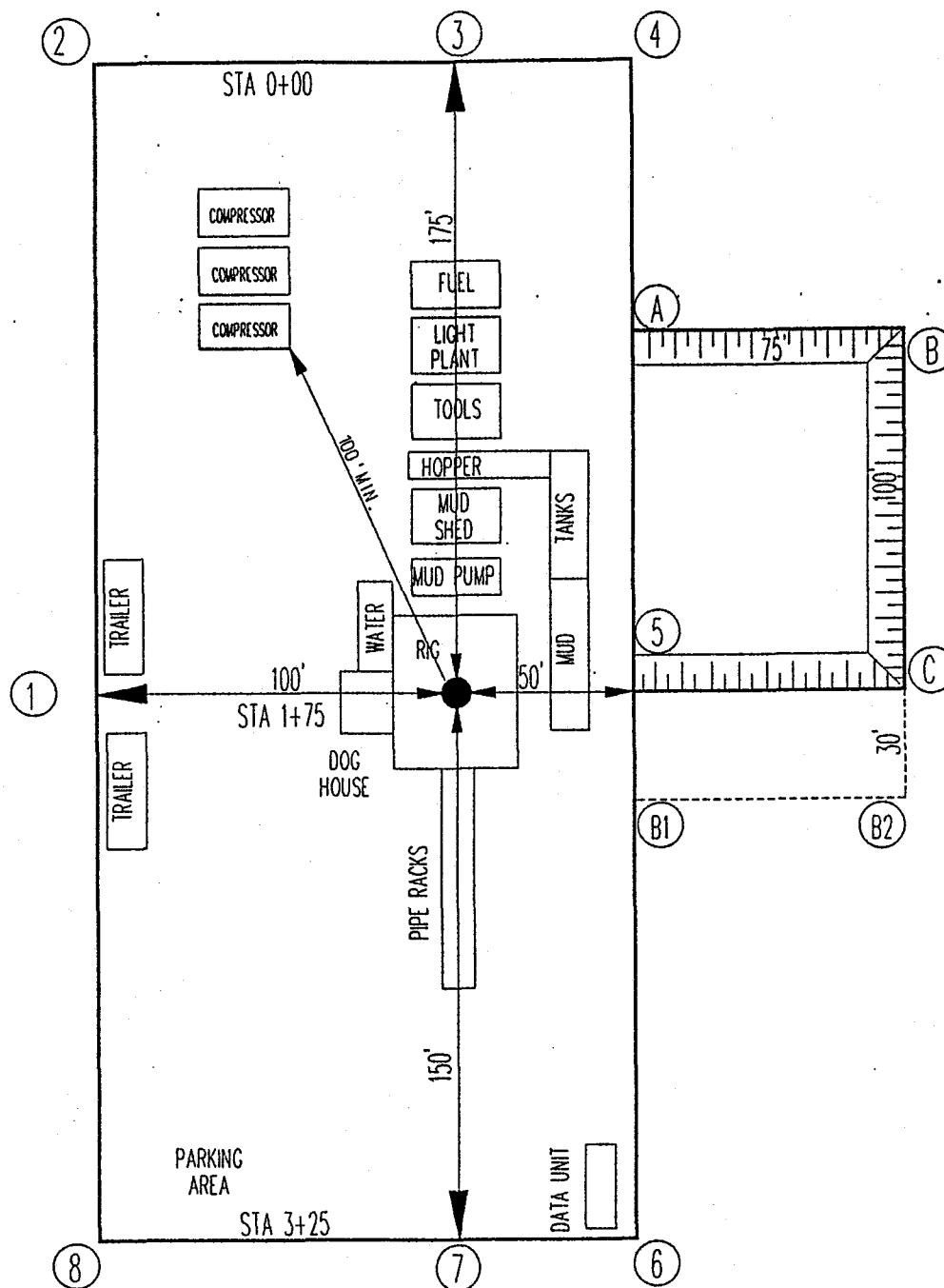
I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

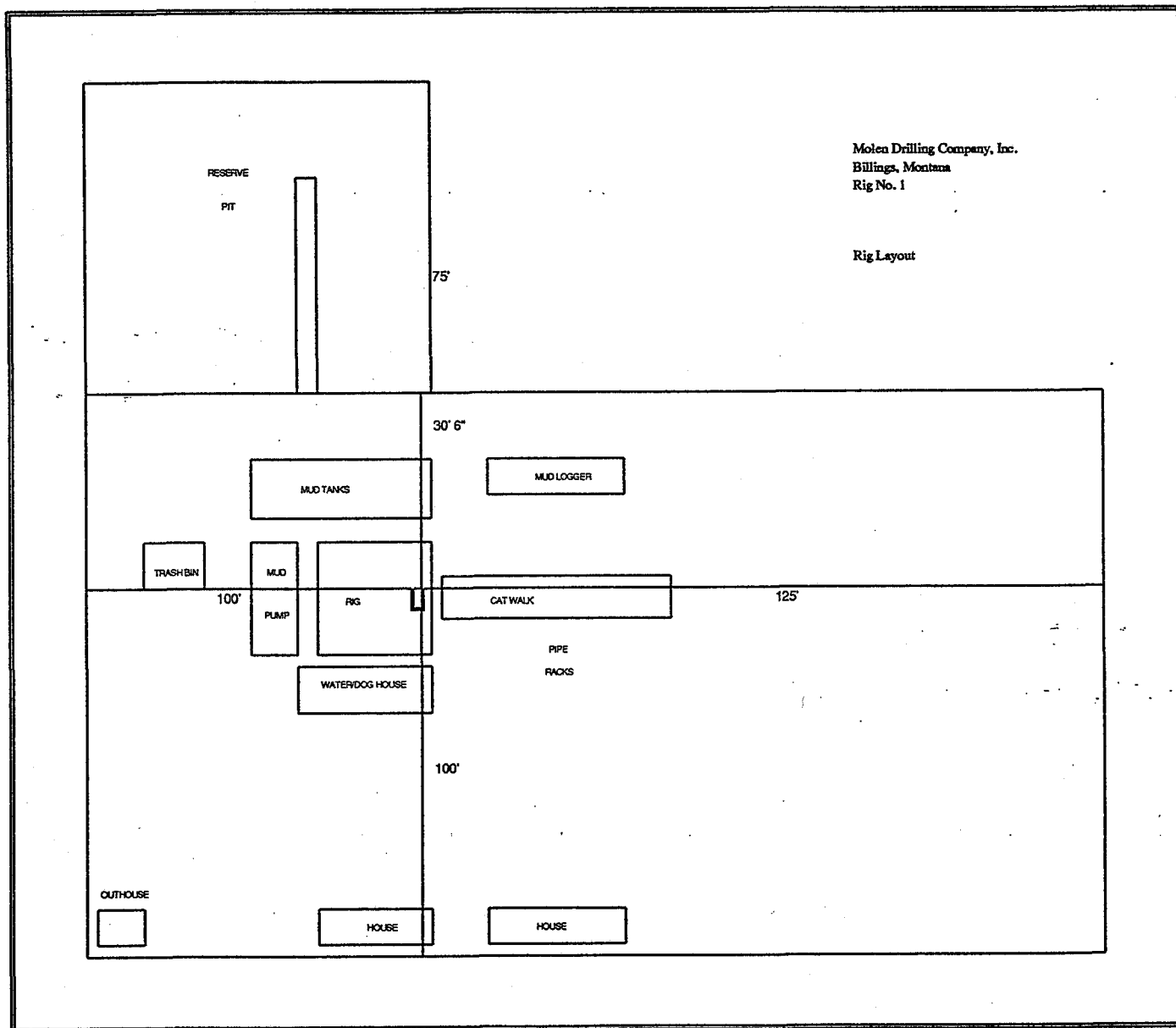
this 10th day of April, 19 89.

# EQUITABLE RESOURCES ENERGY CO.

## WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 WEST 100 NORTH, VERNAL, UTAH 84078  
801-781-2501



Molen Drilling Company, Inc.  
Billings, Montana  
Rig No. 1

Rig Layout

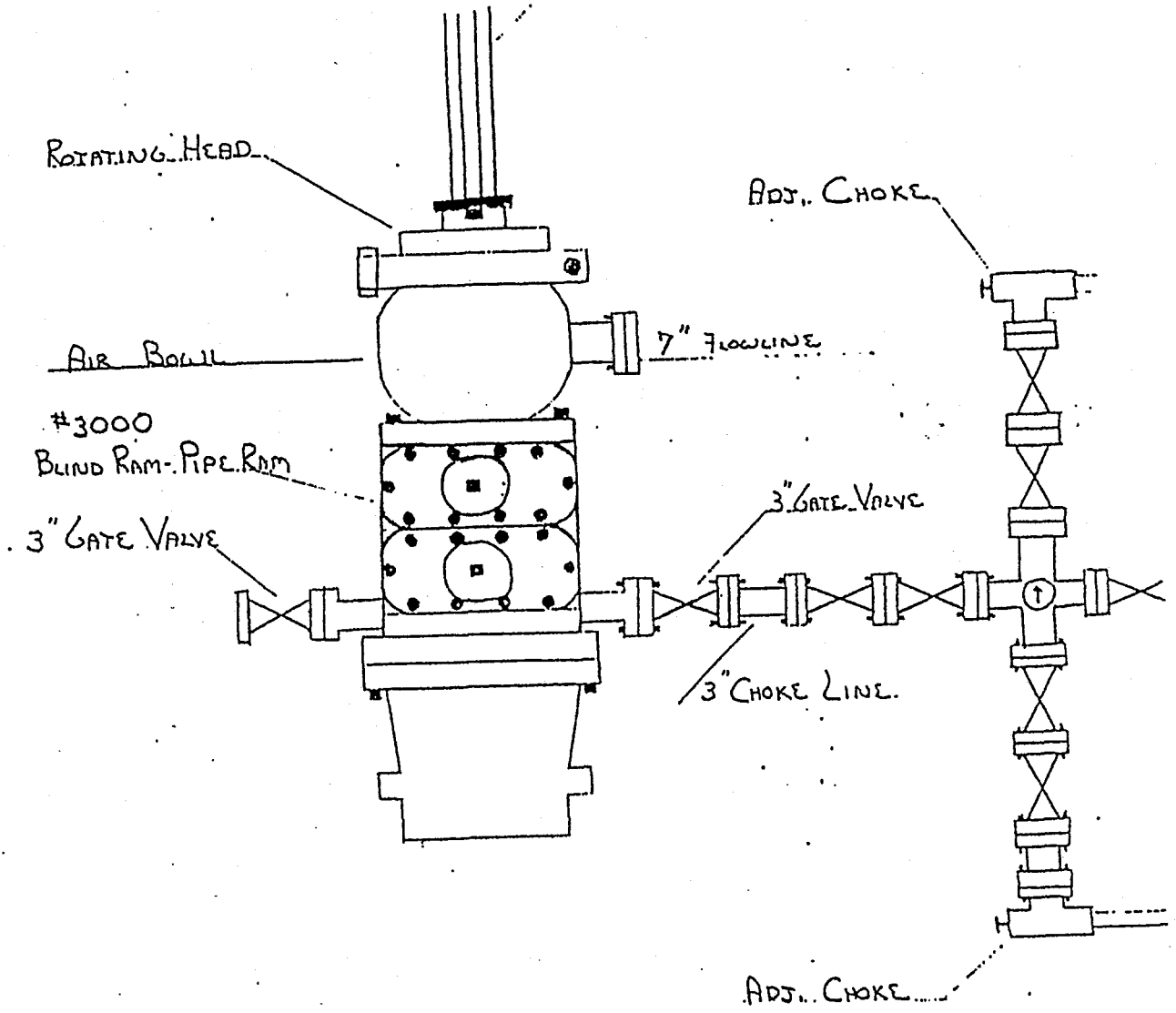
EXHIBIT "G"  
Rig Layout



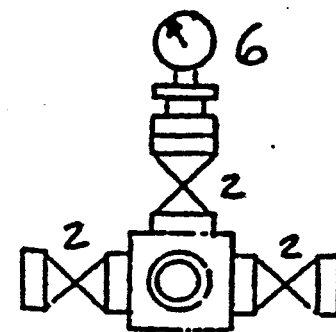
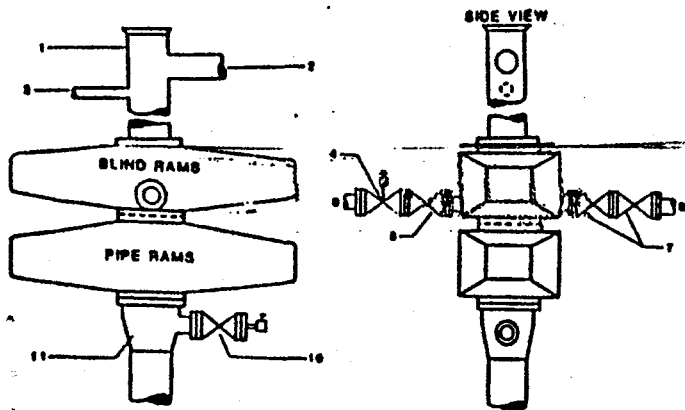
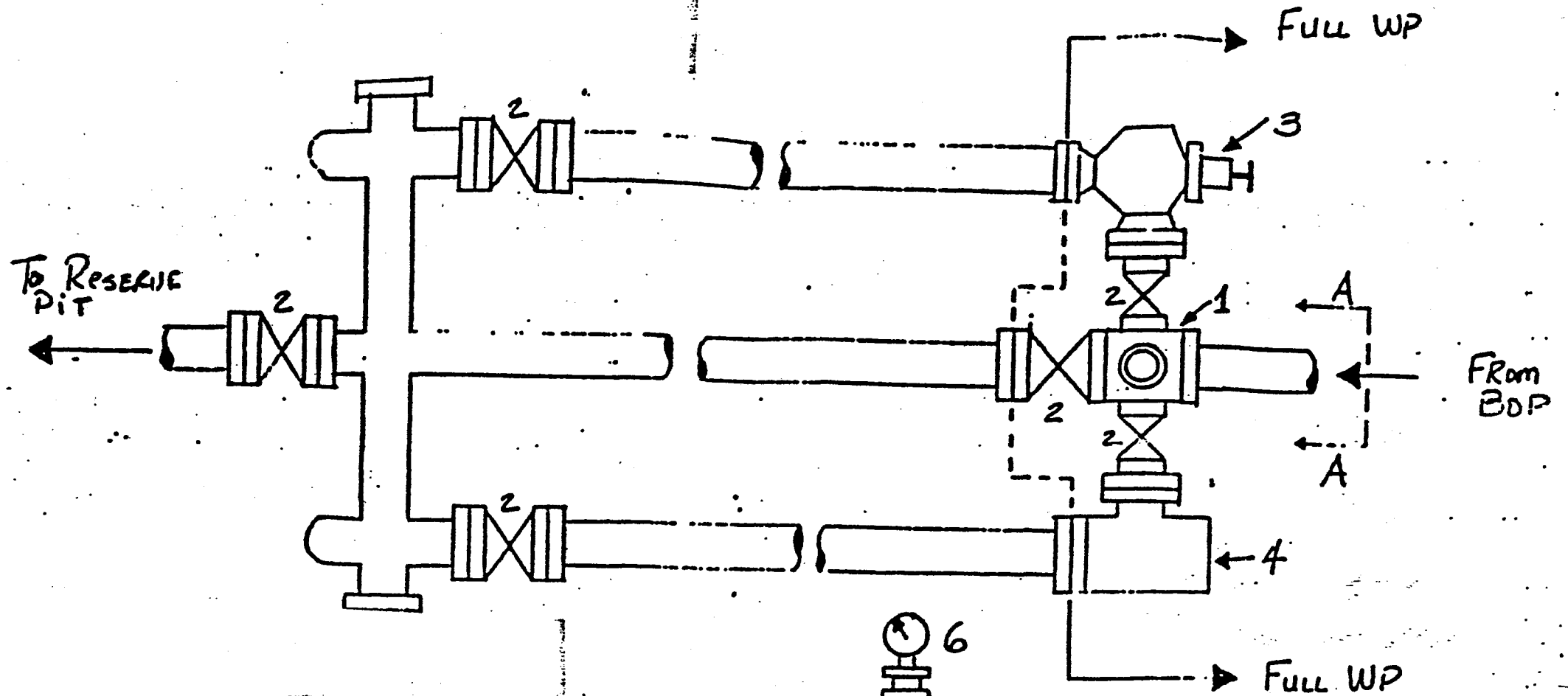
BIT "H"

Hex Kelly -

UNION DRILLING RIG #17



#3000 Stack



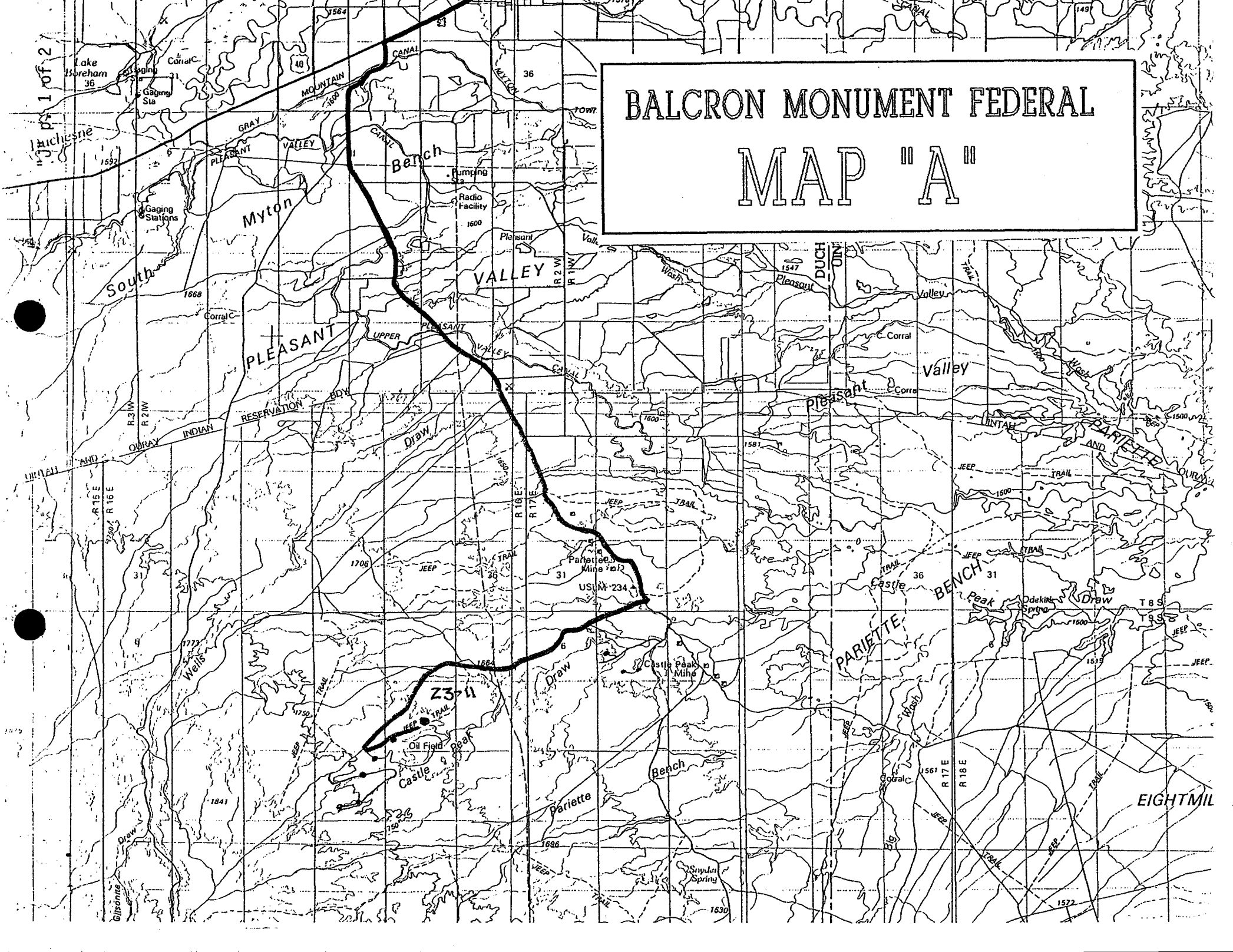
VIEW A-A

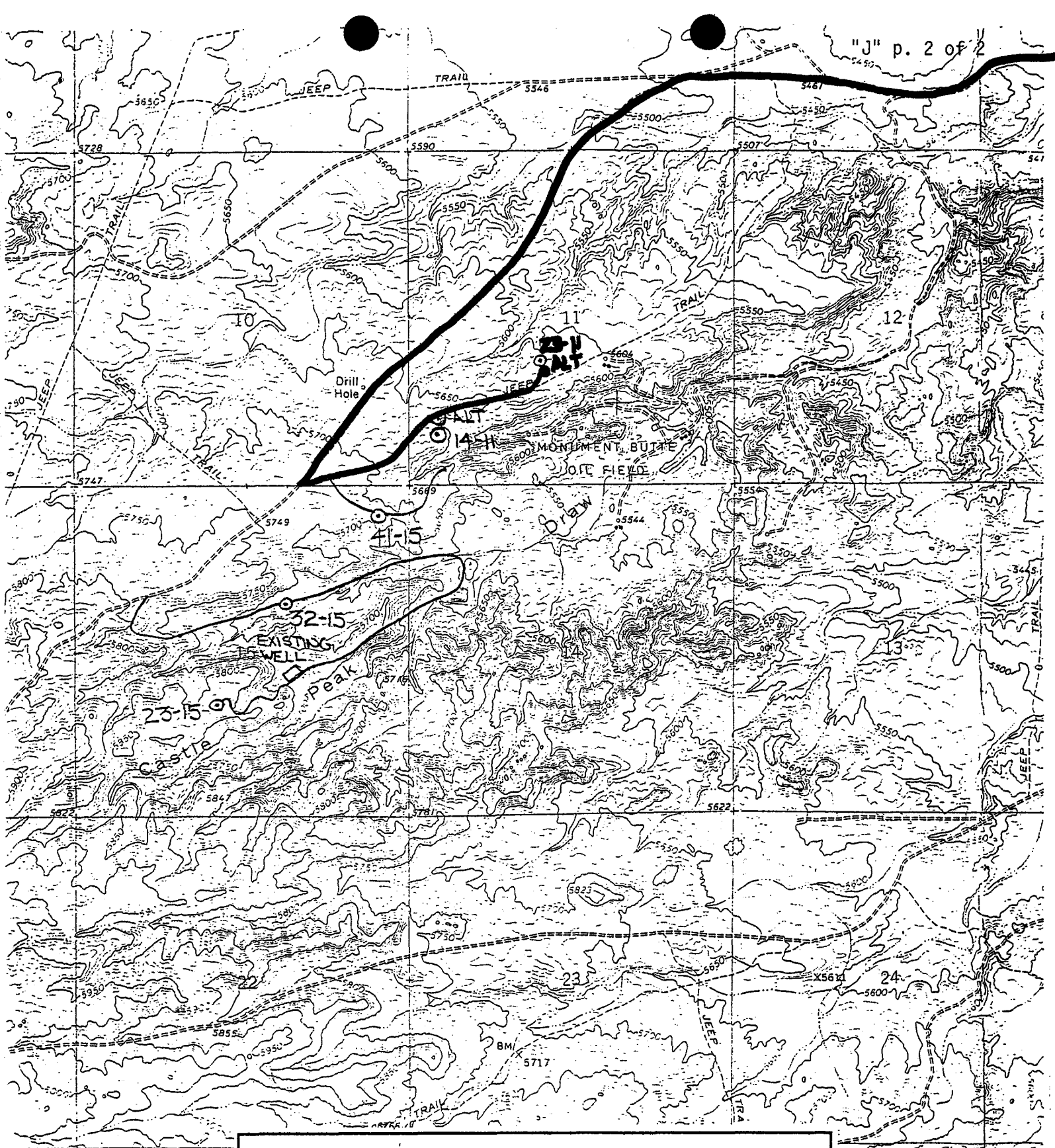
1. Cross
2. Gate Valve
3. Adjustable Choke
4. Positive Choke
5. Welded Bull Plug, Lead Filled
6. 2" - 3000 psi mud pressure gauge

Notes: All lines must be securely anchored.

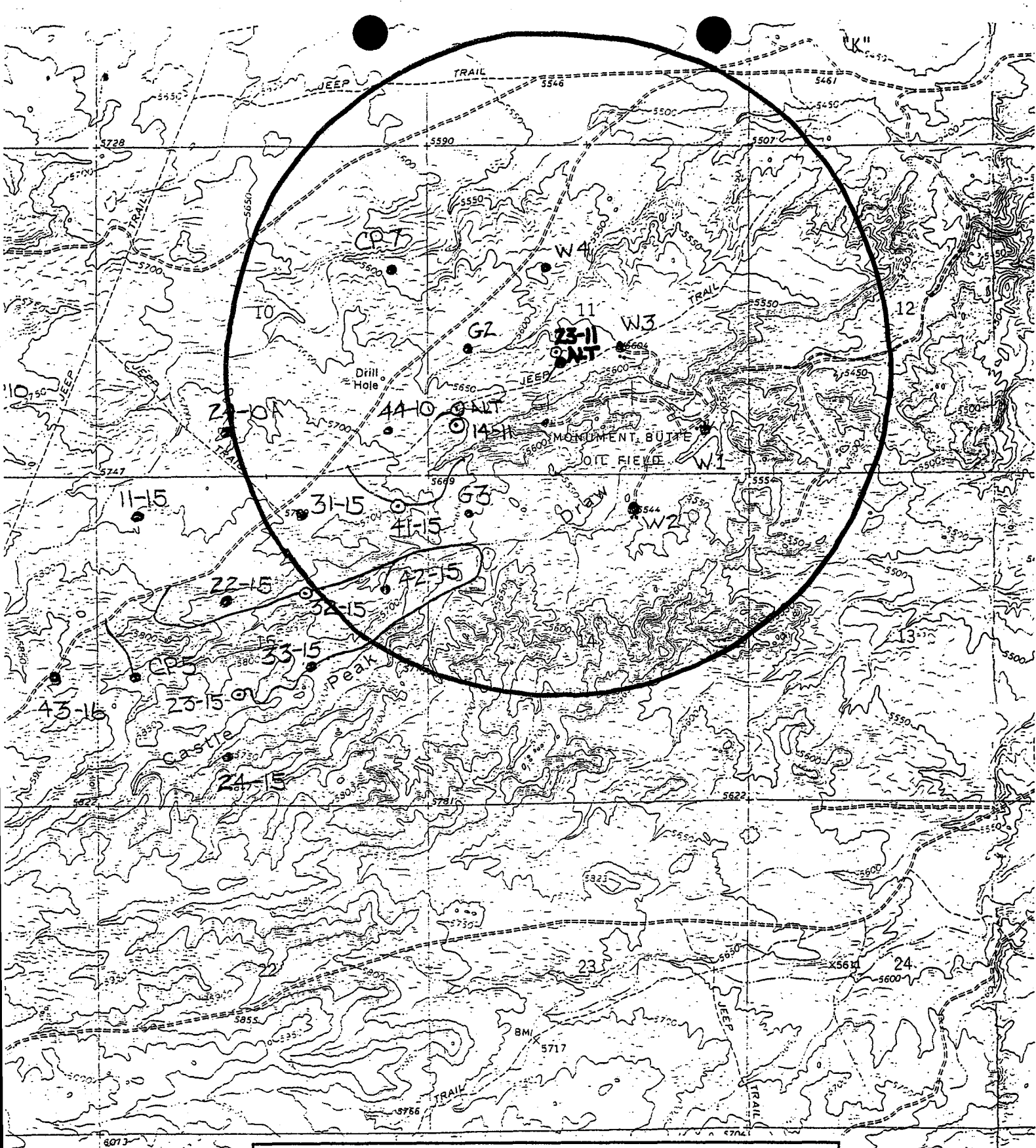
# BALCRON MONUMENT FEDERAL

## MAP "A"





BALCRON MONUMENT FEDERAL  
MAP "B"



BALCRON MONUMENT FEDERAL  
MAP "C"

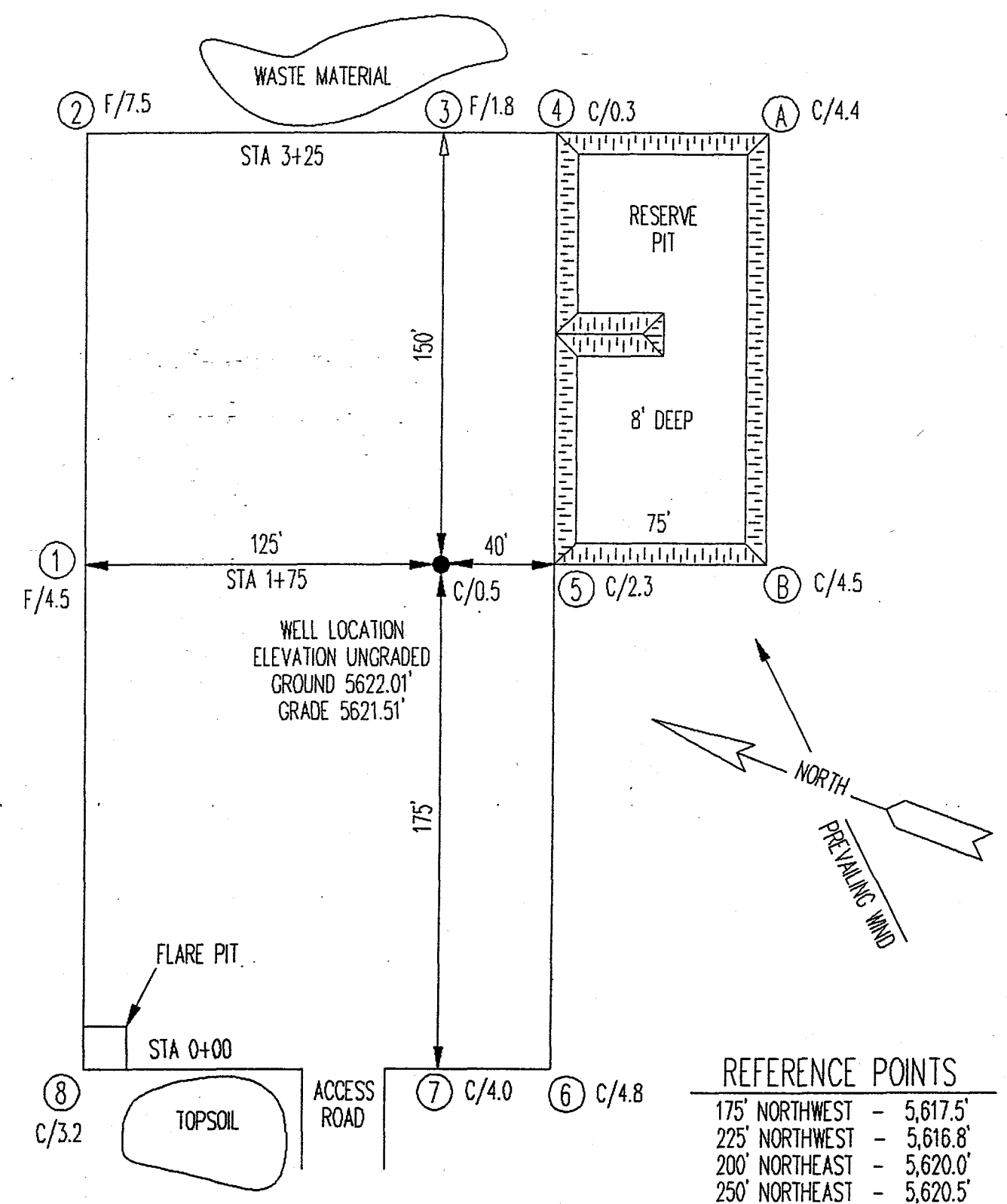
"L"

**RECEIVED**

SEP 17 1992

DIVISION OF  
OIL GAS & MINING

# BALCRON MONUMENT FEDERAL WELL PLAT #23-11

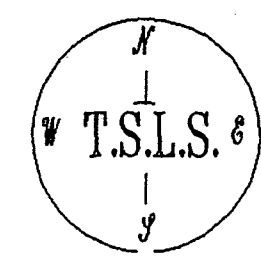
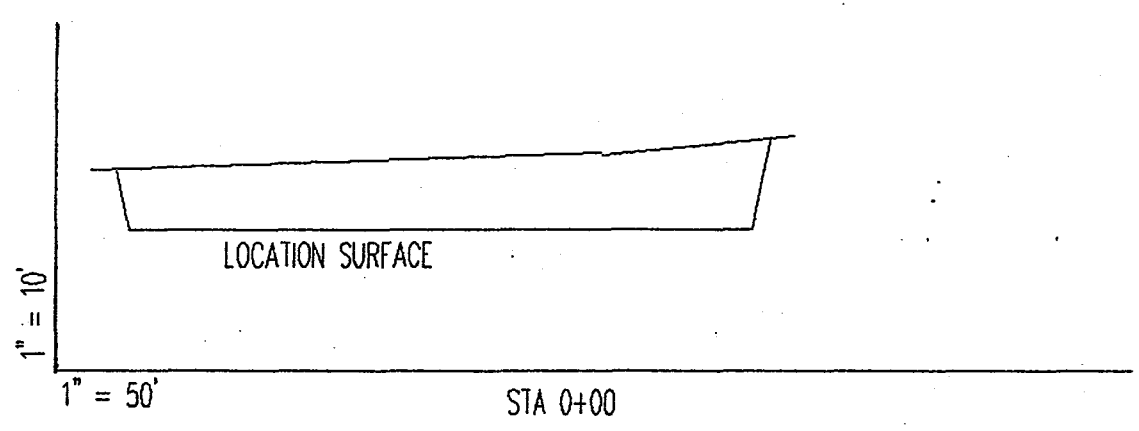
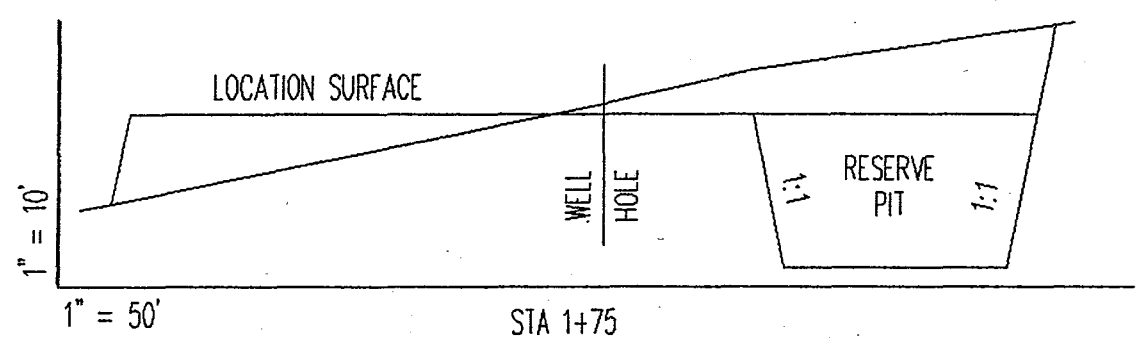
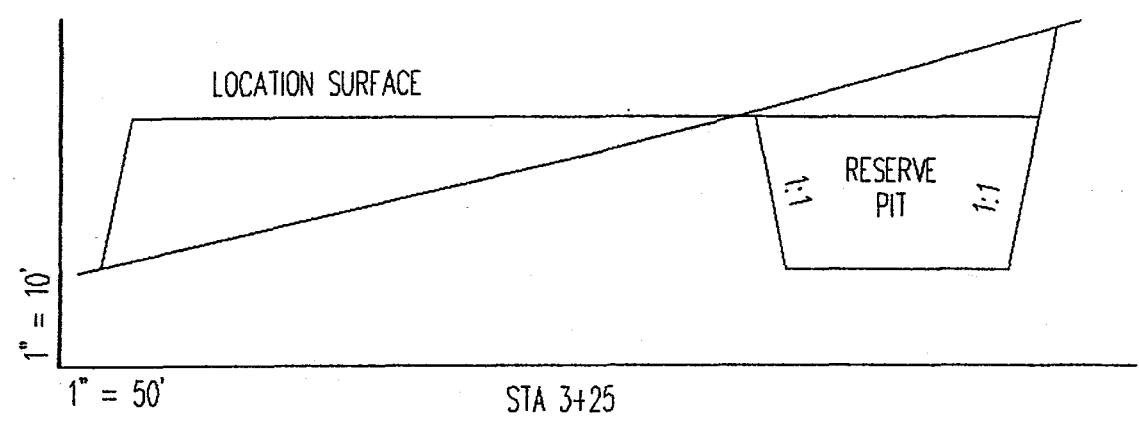


## REFERENCE POINTS

175' NORTHWEST	-	5,617.5'
225' NORTHWEST	-	5,616.8'
200' NORTHEAST	-	5,620.0'
250' NORTHEAST	-	5,620.5'

## APPROXIMATE YARDAGE

CUT	=	3,242.7
FILL	=	2,905.9
PIT	=	2,977.8



TRI-STATE LAND SURVEYING  
P.O. BOX 533 VERNAL, UT. 84078  
(801)781-2501

**CULTURAL RESOURCE EVALUATION  
OF SEVEN PROPOSED WELL LOCATIONS IN THE  
CASTLE PEAK DRAW LOCALITY  
OF DUCHESNE COUNTY, UTAH**

Report Prepared for BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937  
AERC Project 1348 (BLCR-92-5)

Utah State Project No.: UT-92-AF-498b

Principal Investigator & Author of Report  
F. Richard Hauck, Ph.D.



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

September 8, 1992

## ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company of seven proposed well locations on federal lands in the Castle Peak Draw locality of Duchesne County, Utah. These seven locations involved a total of 66 acres of which 6 acres (.5 mile) includes two access routes associated with Units 24-5 and 23-15. The remaining 60 acres involves ten acre parcels at six of the proposed Units (24-5, 14-11, 23-11, 23-15, 32-15, and 41-15). Unit 13-5 was not examined since it had been previously evaluated by AERC (Hauck 1981). These evaluations were conducted by F. Richard Hauck on September 3, 1992.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No diagnostic isolated artifacts were observed during the evaluations.

One newly identified cultural resource activity locus was identified, evaluated, and recorded during the examinations. This site (42DC 761) consists of a non-significant lithic scatter associated with the access route into Unit 23-15.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.



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LIST OF MAPS OF THE PROJECT AREA

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MAP 1: Cultural Resource Survey of Proposed Well Units in the Castle Peak Draw Locality, Duchesne County	2
MAP 2: Cultural Resource Survey of Proposed Well Units in the Castle Peak Draw Locality, Duchesne County	3

## GENERAL INFORMATION

On September 3, 1992, AERC archaeologist F.R. Hauck conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved six separate well locations (24-5, 14-11, 23-11, 23-15, 32-15, and 41-15) and two linear access route evaluations totalling .5 mile associated with Units 24-5 and 23-15. Unit 13-5 was not included in the evaluations since it was previously examined for cultural loci and materials in 1981 (Hauck 1981). This project area is situated in the Castle Peak Draw locality of Duchesne County, Utah.

This project is situated on federal lands administered by the Diamond Mountain Resource Area of the Vernal District of the Bureau of Land Management.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations requires an archaeological evaluation in compliance with the Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section of the Utah State Division of History. This work was done under U.S. Department of Interior Permit for Utah UT-92-54937 which expires on January 31, 1993.

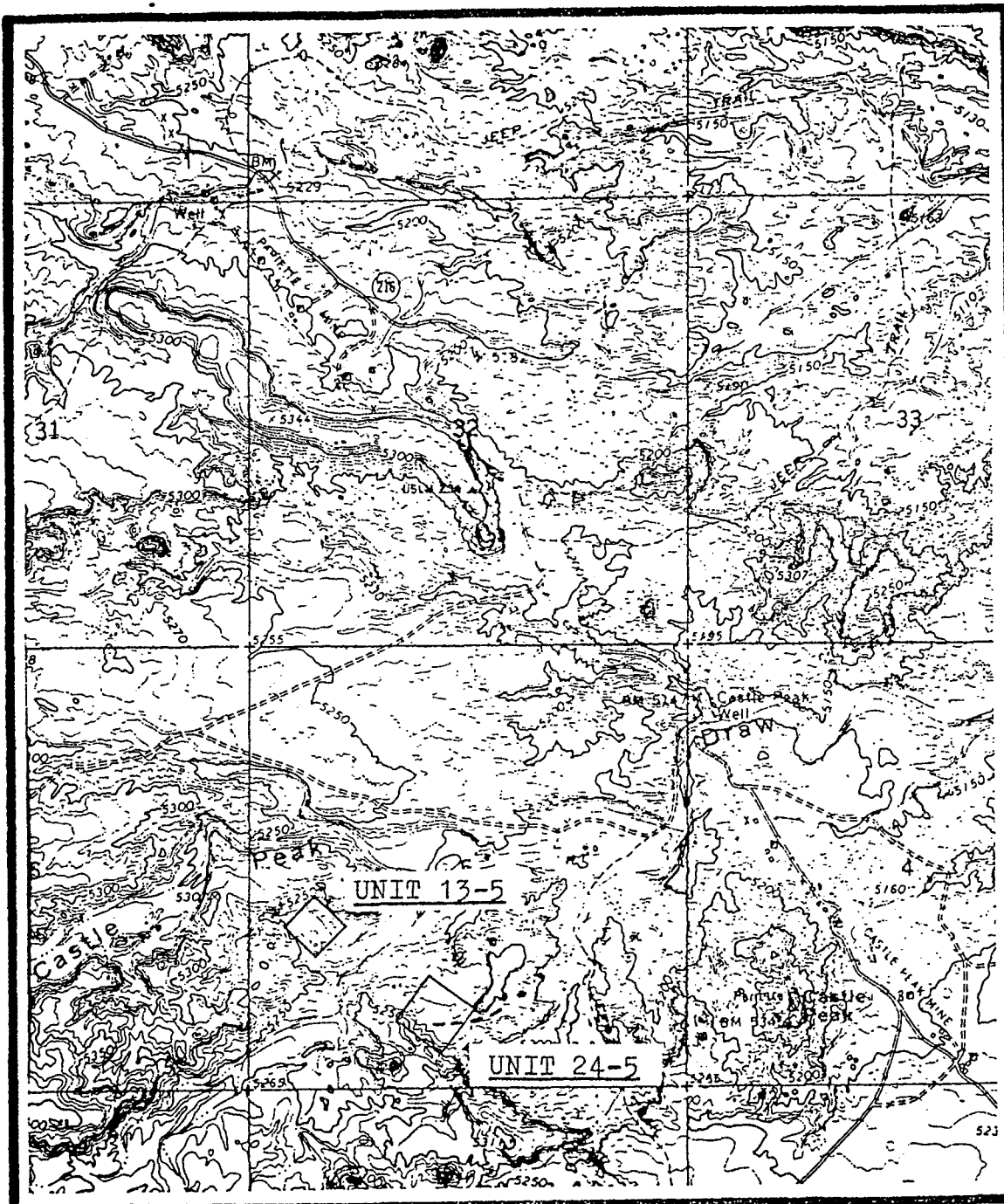
The six evaluated well locations involved 10 acre parcel evaluations for a total of 60 acres evaluated. Two 15 to 20 meter-wide survey transects were walked within the 100 foot-wide corridors covering a total distance of .5 mile or some 6 acres.

## Project Location

The project location is in the Vernal District of the Bureau of Land Management. It is situated on the Myton SE, 7.5 minute topographic quad as shown on the attached maps.



Units 13-5 and 24-5 are situated in the SW and SE quarters of Section 5, Township 9 South, Range 17 East. Units 14-11 and 23-11 are in the SW quarter of Section 11, Township 9 South, Range 16 East. The last three units (23-15, 32-15, and 41-15) are respectively situated in the SW and NE quarters of Section 15, Township 9 South, Range 16 East.

ALPC

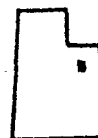


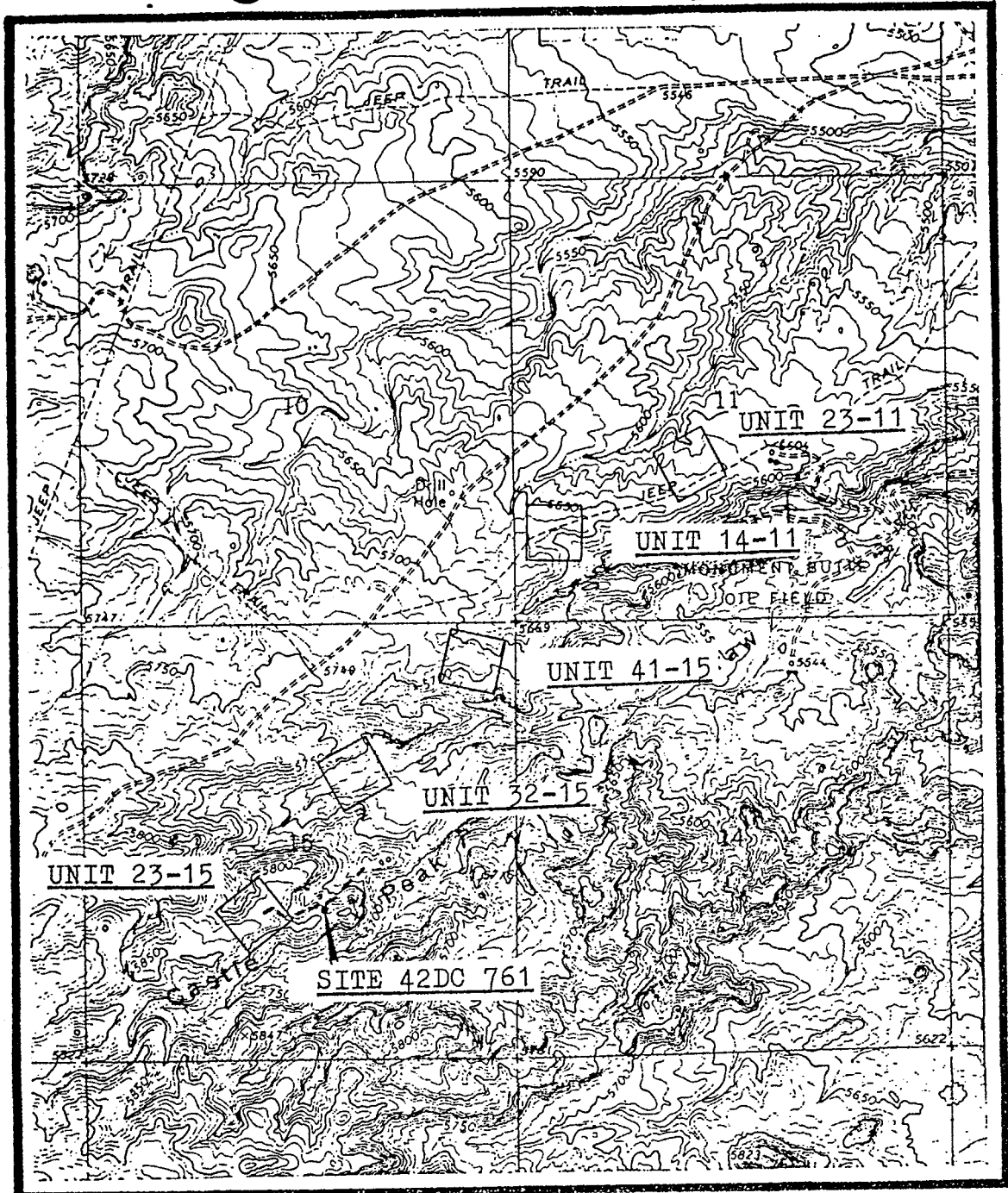
T. 9 South  
R. 17 East  
Meridian: SL  
Quad: Myton  
SE, Utah

**MAP 1**  
Cultural Resource Survey  
of Proposed Well Units in  
the Castle Peak Draw  
Locality, Duchesne County

**Legend:**  
Ten Acre  
Survey  
Area   
Access  
Route 




4  
N  
Project: Scale: 1:24000  
Series: BLCR-92-5  
Date: Uinta Basin  
9-8-92 2





T. 9 South  
R. 16 East  
Meridian: SL  
Quad: Myton  
SE, Utah

**MAP 2**  
Cultural Resource Survey  
of Proposed Well Units in  
the Castle Peak Draw  
Locality, Duchesne County

**Legend:**  
Ten Acre  
Survey Area   
Access  
Route   
Cultural  
Site 

**Project:** BLCR-92-5  
**Series:** Uinta Basin  
**Date:** 9-8-92

**Scale:** 1:24000

A short access route to Unit 24-5 extends from the SE quarter of Section 5 to the west into the SW quarter of that same section (see Map 1). The second access route links Unit 23-15 to an existing well in the SE quarter of Section 15 (see Map 2).

#### Environmental Description:

The project areas range within the 5200 to 5900 foot elevation zone above sea level. Open rangeland terrain surfaces are associated with all locations.

The vegetation in the project area includes *Chrysothamnus* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Artemesia tridentata*, *Atriplex canescens*, and *Bromus tectorum*.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

#### PREVIOUS RESEARCH IN THE LOCALITY

##### File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on September 8, 1992. A similar search was conducted in the Vernal District Office of the BLM on September 3, 1992. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources, including 42DC 349, 350, 351, 352, 353, and 732 have been identified and recorded by AERC during previous evaluations (Hauck 1981, 1992a).

#### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American

trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

Previous archaeological evaluations in the region have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., the Fremont Culture, is rarely observed in the rangeland environment but is common within the Green River and White River canyons.

The majority of known sites in this project area are lithic scatters (42DC 349, 350, and 353). Open occupations such as 42DC 352 are also present. Site 42DC 351 is a rock shelter. Based on the recovery of a Folsom point and a Desert Side-notch arrow point, a possible Paleoindian component and a more recent Numic component exist on Site 42DC 353. Sites in the project locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period.

Site density in Castle Peak Draw appears to range from six to over ten sites per section in the project locality. This moderate to high density decreases substantially on the benches.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologist walking 10 to 20 meter wide transects within each ten acre parcel associated with a well location. In addition, double 15 to 20 meter-wide transects were walked flanking the flagged centerline. Thus, ca. .5 mile or 6 acres of public lands associated with the two access routes and another 60 acres associated with six of the seven well locations were examined by F.R. Hauck. Unit 13-5 was not examined since it had already been evaluated by AERC in the past (Hauck 1981).

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory:

A single non-significant prehistoric cultural resource activity locus was observed, evaluated and recorded during the archaeological evaluations. This site has been subsequently listed in the State and BLM files as 42DC 761.

Site 42DC 761 consists of a small, bare rockshelter that opens to the east. The slope below the shelter contains four fragments of detritus. The shelter has no depth potential based on a trowel test in its entrance and one just outside the



entrance. The sparsity of material remains and lack of depth suggest the site was occupied possibly during a single episode related to core reduction.

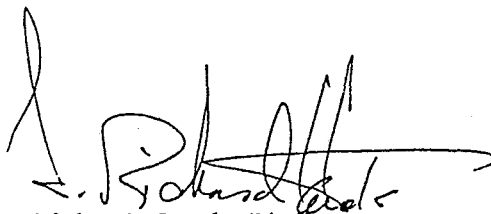
No previously recorded cultural sites will be adversely affected by the proposed pipeline developments. Site 42DC 353 is situated in the vicinity of the present development program but will not be affected by the proposed development.

No isolated diagnostic artifacts were observed or collected during the survey on BLM administrated lands.

### CONCLUSION AND RECOMMENDATIONS

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of the seven well locations noted above based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation (AERC), Bountiful.

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments: \_\_\_\_\_

Summary Report of  
Inspection for Cultural Resources

C A S T L E P E A K D R A W U N I T S

1. Report Title . . . . .

BALCRON OIL CO. UNITS 13-5, 24-5, 14-11, 23-11, 23-15,  
32-15 and 41-15

2. Development Company \_\_\_\_\_

3. Report Date . . . 9 8 1 9 9 2 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution . . . . . A E R C B L C R - 9 2 - 5 Duchesne  
County \_\_\_\_\_

6. Fieldwork

Location: TWN . . . . . 0 9 S RNG . . . . . 1 7 Section . . . . . 0 5  
7. Resource TWN . . . . . 0 9 S RNG . . . . . 1 6 Section . . . . . 1 1 1 5  
Area . . . . . TWN . . . . . RNG . . . . . Section . . . . .  
.D.M.

8. Description of Examination Procedures: The archeologist, F.R. Hauck,  
intensively examined the 10 acre locations for six of these wells (24-5,  
14-11, 23-11, 23-15, 32-15, and 42-15 and new access corridors (as shown on  
the attached maps) by walking a series of 10 to 20 meter-wide transects  
flanking the flagged centerline and within the flagged well pad. Unit 13-5  
was previously evaluated in 1981 by AERC and was not reexamined.

9. Linear Miles Surveyed . . . . . 5 10. Inventory Type . . . . . I  
and/or  
Definable Acres Surveyed . . . . . R = Reconnaissance  
and/or I = Intensive  
Legally Undefinable 6 6 S = Statistical Sample  
Acres Surveyed . . . . .

11. Description of Findings: 12. Number Sites Found .1. . . . .  
One cultural resource site was identified (No sites = 0)  
during the survey. This lithic scatter 13. Collection: .N.  
was observed in association with the access (Y = Yes, N = No)  
route into Unit 23-15. This site (42DC 761) is not a significant resource.

14. Actual/Potential National Register Properties Affected:  
The National Register of Historic Places (NRHP) has been consulted and no  
registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 9-8-92  
Vernal District Office Records 9-3-92

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridor examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

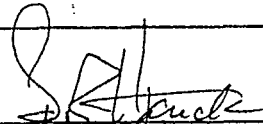

17. Signature of Administrator  
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field

Supervisor

MONUMENT BUTTE DRILLING PROGRAM

---

Balcron Monument Federal #13-5  
NW SW Section 5, T9S, R17E  
Duchesne County, Utah  
1980' FSL, 660' FWL  
FLS #U-020252  
PTD 5,620'  
GL 5,224'

Balcron Monument Federal #24-5  
SE SW Section 5, T9S, R17E  
Duchesne County, Utah  
765' FSL, 2243' FWL  
FLS #U-020252  
PTD 5,600'  
GL 5,223'

Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
1787 FSL, 2147' FWL  
FLS #U-096550  
PTD 5,750'  
GL 5,622'

Balcron Monument Federal #14-11  
SW SW Section 11, T9S, R16E  
Duchesne County, Utah  
1048' FSL, 446' FWL  
FLS #U-096547  
PTD 5,720'  
GL 5,661'

Balcron Monument Federal #41-15  
NE NE Section 15, T9S, R16E  
Duchesne County, Utah  
460' FNL, 500' FEL  
FLS #U-017985  
PTD 5,700'  
GL 5,714'

Balcron Monument Federal #32-15  
SW NE Section 15, T9S, R16E  
Duchesne County, Utah  
1868' FNL, 1993' FEL  
FLS #U-017985  
PTD 5,610'  
GL 5,681'

Balcron Monument Federal #23-15  
NE SW Section 15, T9S, R16E  
Duchesne County, Utah  
1724' FSL, 2078' FWL  
FLS #U-017985  
PTD 5,700'  
GL 5,828'

# APPLICATION FOR PERMANENT CHANGE OF WATER

SEP 17 1992

STATE OF UTAH

APR 17 1987

DIVISION OF

OIL GAS &amp; MINING

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

Rec. by D1Fee Paid \$ 15.00Receipt # 22150

Roll # \_\_\_\_\_

\*WATER USER CLAIM NO. 43-9974 \*APPLICATION NO. a-14289

Changes are proposed in (check those applicable)

\_\_\_\_\_ point of diversion.

\_\_\_\_\_ point of return.

☒ place of use.

☒ nature of use.

## 1. OWNER INFORMATION

Name: Owen Dale Anderson

\*Interest: \_\_\_\_\_%

Address: Po Box 1162 Vernal UT 84078

## 2. \*PRIORITY OF CHANGE:

\*FILING DATE: \_\_\_\_\_

\*Is this change amendatory? (Yes/No): \_\_\_\_\_

## 3. RIGHT EVIDENCED BY:

43-3525

Prior Approved Change Applications for this right: 83-43-21 84-43-73 6 14099

\*\*\*\*\* HERETOFORE \*\*\*\*\*

4. QUANTITY OF WATER: 0.5 cfs and/or \_\_\_\_\_ ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft from N 1/4 Corner  
Section 27 T1S, R2W, USB + M

Description of Diverting Works: \_\_\_\_\_

## 8. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

## 9. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

\*These items are to be completed by Division of Water Rights.

JUL- 8-92 WED 10:52

## 10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31  
 Domestic: From \_\_\_\_\_ to \_\_\_\_\_  
 Municipal: From \_\_\_\_\_ to \_\_\_\_\_  
 Mining: From \_\_\_\_\_ to \_\_\_\_\_  
 Power: From \_\_\_\_\_ to \_\_\_\_\_  
 Other: From Jan 1 to Dec 31  
 Irrigation: From April 1 to Oct 31

## 11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units  
 Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons.  
 Municipal (name): \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
 Mining: \_\_\_\_\_  
 Ores mined: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_  
 Other (describe): drilling & completion of oil field locations fish culture  
 Irrigation: 55.7 acres. Sole supply of \_\_\_\_\_ acres

## 12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

## 13. STORAGE

Reservoir Name: Unnamed Storage Period: from 11-1 to 3-31  
 Capacity: 4.0 ac-ft. Inundated Area: \_\_\_\_\_ acres  
 Height of dam: \_\_\_\_\_ feet  
 Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W Q15B+M

\*\*\*\*\* THE FOLLOWING CHANGES ARE PROPOSED \*\*\*\*\*

14. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or 20.0 ac-ft  
 15. SOURCE: UGW Remaining Water: same  
 16. COUNTY: Duchesne  
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: \_\_\_\_\_

## 18. POINT(S) OF REDIVERSION

The water will be redivered from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

## 9. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

## 20. NATURE AND PERIOD OF USE

Stockwatering: From \_\_\_\_\_ to \_\_\_\_\_

Domestic: From \_\_\_\_\_ to \_\_\_\_\_

Municipal: From \_\_\_\_\_ to \_\_\_\_\_

Mining: From \_\_\_\_\_ to \_\_\_\_\_

Power: From \_\_\_\_\_ to \_\_\_\_\_

Other: From Jan 1 to Dec 31

Irrigation: From \_\_\_\_\_ to \_\_\_\_\_

## 21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): \_\_\_\_\_

Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons

Municipal (name): \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine

Mining: \_\_\_\_\_

Ores mined: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_

Power: Plant name: \_\_\_\_\_

Other (describe): drilling and completion of oil wells

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_

## 22. PLACE OF USE

Legal description of areas of use by 40 acre tract: \_\_\_\_\_

Other: hauled to locations by water trucks as needed

## 23. STORAGE

Reservoir Name: \_\_\_\_\_ Storage Period: from \_\_\_\_\_ to \_\_\_\_\_

Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_ acres

Height of dam: \_\_\_\_\_ feet

Legal description of inundated area by 40 tract: \_\_\_\_\_

## 24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): \_\_\_\_\_

Change is for oilfield drilling and exploration.Approximately 4 acre ft<sup>new</sup> will be taken fromirrigation purposes and used for oilfield purposesAcres to be irrigated will change from 55.7 to 50 acres  
52.7 11 x 7



\*\*\*\*\*

undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

*Quinn Dale Anderson*  
Signature of Applicant(s)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/17/92

OPERATOR: BALCRON OIL

OPERATOR ACCT NO: N-9890

WELL NAME: BALCRON MONUMENT FEDERAL 23-11

API NO. ASSIGNED: 43-013-31309

LEASE TYPE: FED

LEASE NO: J-096550

LOCATION: NESW 11 - T09S - R16E DUCHESNE COUNTY

FIELD: MONUMENT BUTTE

FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond  
(Number federal)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number 43-9974 a-14089)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_\_ R649-3-3. Exception.  
\_\_\_\_ Drilling Unit.  
\_\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_\_ Date: \_\_\_\_\_

COMMENTS:

how add producing wells within Sec. 11.

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 11-21-94

STIPULATIONS:

RECEIVED

NOV 16 1993

UTAH DIVISION OF OIL, GAS AND MINING  
EQUIPMENT INVENTORY

DIVISION OF  
OIL, GAS & MINING

Operator: EQUITABLE RESOURCES Lease: State:        Federal: Y  
Indian:        Fee:       

Well Name: BALCRON MONUMENT FED #23-11 API Number: 43-013-31369

Section: 11 Township: 9S Range: 16E County: DUCHESNE  
Field: MONUMENT BUTTE  
Well Status: POW Well Type: Oil: Y Gas:       

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:       

Y Well head        Boiler(s)        Compressor         
Separator(s)        Dehydrator(s)        Shed(s) Y Line Heater(s)        Heated  
Separator        VRU        Heater Treater(s)       

PUMPS:  
       Triplex        Chemical        Centrifugal

LIFT METHOD:  
Y Pumpjack        Hydraulic        Submersible         
Flowing

GAS EQUIPMENT:

N Gas Meters N Purchase Meter N Sales Meter

TANKS:	NUMBER	SIZE
<u>Y</u>	Oil Storage Tank(s)	<u>2-400 BARREL OIL TANKS</u> BBLs
<u>Y</u>	Water Tank(s)	<u>1-130 BARREL PIT TANK</u> BBLs
<u>      </u>	Power Water Tank	<u>      </u> BBLs
<u>      </u>	Condensate Tank(s)	<u>      </u> BBLs
<u>(2)</u>	Propane Tank	<u>      </u> BBLs

REMARKS: LINE HEATER IS HEATED BY EXHAUST MUFFLER ON PUMP MOTOR; PIT  
TANK WITH WIRE COVER; NO SALES LINE OR METERS AT PRESENT TIME.

Location central battery: Qtr/Qtr:        Section:        Township:         
Range:       

Inspector: DENNIS INGRAM Date: 11/5/93



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

September 21, 1992

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal #23-11 Well, 1787 feet from the south line, 2147 feet from the west line, NE 1/4 SW 1/4, Section 11, Township 9 South, Range 16 East, Duchesne County, Utah

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.


Page 2  
Balcron Oil  
Balcron Monument Federal #23-11 Well  
September 21, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31369.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over a printed name.

R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1364

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

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MAR 08 1993

DIVISION OF  
OIL GAS & MINING



an equal opportunity employer

Page 7 of 7

Operator name and address:

BALCRON OIL

Utah Account No. \_\_\_\_\_

Report Period (Month/Year) \_\_\_\_\_

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
		BALCRON MONUMENT FED 42-6					
<del>43-013-31364</del>	<del>11431 9S 17E 6</del>	<del>GRRV</del>		<del>---</del> 6060			
		BALCRON MONUMENT FED 41-15					
<del>43-013-31367</del>	<del>99999 9S 16E 15</del>						
		BALCRON MONUMENT FED 32-15					
<del>43-013-31368</del>	<del>99999 9S 16E 15</del>						
		BALCRON MONUMENT FED 23-11					
<del>43-013-31369</del>	<del>99999 9S 16E 11</del>						
		BALCRON MONUMENT FED 13-5					
<del>43-013-31370</del>	<del>99999 9S 17E 5</del>						
		BALCRON MONUMENT FED 23-15					
<del>43-013-31373</del>	<del>99999 9S 16E 15</del>						
		BALCRON MONUMENT FED 14-11					
<del>43-013-31374</del>	<del>99999 9S 16E 11</del>						
		BALCRON MONUMENT FED 24-5					
<del>43-013-31375</del>	<del>11445 9S 17E 5</del>	<del>GRRV</del>					
TOTAL							

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature

Telephone \_\_\_\_\_

PLEASE COMPLETE FORMS IN BLACK INK

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-DEC
2-DTS	8-DEC
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>	FROM (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address)	<u>PO BOX 21017</u>
	<u>PO BOX 21017</u>		<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>		
	phone ( <u>406</u> ) <u>259-7860</u>		phone ( <u>406</u> ) <u>259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <u>**ALL WELLS**</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-8-93)
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: 134640.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- Sec 6. Cardex file has been updated for each well listed above. (3-19-93)
- Sec 7. Well file labels have been updated for each well listed above. (3-19-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



# ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no)      (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only) \*930319 Red'd bond rider e# 3-4-93.

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belton Oil, A Division of Equitable Resources Energy Company.

2. A copy of this form has been placed in the new and former operators' bond files. \*Upon completion of routing.

3. The former operator has requested a release of liability from their bond (yes/no)     . Today's date                      19    . If yes, division response was made by letter dated                      19    .

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

## MICROFILMING

1. All attachments to this form have been microfilmed. Date: March 30 1993.

## FILED

1. Copies of all attachments to this form have been filed in each well file.

2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

930308 Btm 15.9. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belton Oil Division".

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1787' FSL, 2147' FWL NE SW

At proposed prod. zone

43.012-21269

MAY 06 1993

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 16 miles from Myton, UT. See EXHIBIT 8 & 9

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

40 acres

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,750'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,622'

22. APPROX. DATE WORK WILL START\*

November 15, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx G w/3% CaCl
See attached Drilling Program for production casing.				RECEIVED

EXHIBITS

- |                                     |  |
|-------------------------------------|--|
| "A" Proposed Drilling Program       | "G" Rig Layout                                 |
| "B" Proposed Surface Use Program    | "H" BOPE Schematic                             |
| "C" Geologic Prognosis              | "I" Location Site and Elevation Plat           |
| "D" Drilling Program/Casing Diagram | "J" Existing Roads/Planned Access (Maps A & B) |
| "E" Evidence of Bond Coverage       | "K" Existing Wells (Map C)                     |
| "F" Archeology Report               | "L" Drillsite Layout/Cut and Fill Diagrams     |

SEP 17 1992

NOTE: In accordance with request by the Vernal BLM representative, only one copy of EXHIBIT "F" Archeology Report is included with this permit.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Bobbie Schuman Coordinator of Environmental  
and Regulatory Affairs DATE 9-15-92  
SIGNED Bobbie Schuman TITLE  
(This space for Federal or State office use)

PERMIT NO. 44080-2M-272 APPROVAL DATE MAY 03 1993  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT  
MANAGER MINERALS DATE  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION INFORMATION

RECEIVED

MAY 06 1993

DIVISION OF  
OIL, GAS & MINING

Company/Operator Equitable Resources Energy Co.

API Number 43-013-31369

Well Name & Number Balcron Monument Federal No. 23-11

Lease Number U-096550

Location NESW Sec. 11 T. 9S. R. 16E.

Surface Ownership Federal

Date NOS Received August 13, 1992

Date APD Received September 17, 1992

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Monument Federal 23-11  
Location NESW Section 11, T9S, R16E Lease No. U - 096550

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm$  2,586 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

### 5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  2,386 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

#### 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.



In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
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## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

## SURFACE USE PLAN OF OPERATIONS

### CONDITIONS OF APPROVAL

Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road.

If a plastic nylon reinforced liner is used, it will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer.

Full seeding will be done after September 15 and before the ground freezes. Spring seeding will be done prior to April 15.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801)789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

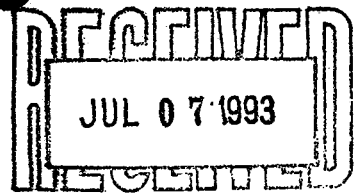
The requested emergency pit is hereby approved under NTL-2B, Section VI, subject to the following Conditions of Approval:

1. If emergency use occurs, the emergency pit shall be emptied and the liquids disposed of in accordance with applicable State and/or Federal regulations within 48 hours following its use, unless such time is extended by the authorized officer.
2. As much as practicable, the emergency pit shall be located on level ground, and away from drainage patterns and unstable ground.
3. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for the drilling reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
4. Produced water drain lines shall not go to the emergency pit.

5. The pit shall be bermed or otherwise constructed and maintained to prevent entrance of surface water.
6. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.
7. The pit shall be kept free of trash.

Balcron shall contract a Utah BLM certified Paleontologist to survey the location and access road prior to surface disturbance to determine the presence of paleontological resources.

If historic, archaeological, or paleontological resources are uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.



BALCRON OIL

Balcron Monument Federal #23-11

NE SW Section 11, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

JULY 1, 1993

# RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #23-11

## Description of Geology and Topography-

This well location is on the bench approximately 1/2 mile north of Castle Peak Draw, 11 miles south and 2 miles west of Myton, Utah. A small side canyon to Castle Peak Draw lies between the location and Castle Peak Draw. The wellpad is located on a surface that slopes gently to the north and north east into the drainage of another side canyon of Castle Peak Draw. The access road enters the wellpad location immediately after leaving an existing road.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

Rocks in the immediate area of the proposed wellpad are composed of interbedded sandy limestone, limy sandstone, shale, and sandstone. Some chert is associated with this material also. Probably represents shallow lacustrine (lake) and fluvial (stream) deposits.

## Paleontological material found -

No fossil vertebrate material was found on the wellpad location or access road.

Some of the pieces of dark brown chert found on the surface with limestone fragments appear to have ostracods (fresh water crustaceans) in them. This is a small invertebrate shelled animals common in some layers of the Uinta Formation in this area. Because ostracods are small and so common in these rocks, construction of wellpads and access road poses no threat to that paleontological resource.

## Recommendations-

No other recommendations are made for this location.

Robert A. Humblin

Date July 3, 1993



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 [ ]  
FAX: (406) 245-1361 [✓]

July 7, 1993

RECEIVED

JUL 19 1993

DIVISION OF  
OIL GAS & MINING

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

Enclosed are Paleontology Reports which were required for the following wellpad locations and access roads:

Balcron Monument Federal #13-5  
NW SW Section 5, T9S, R17E  
Duchesne County, Utah  
FLS #U-020252

43-012-31370

Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
FLS #U-096550

43-012-31369

Balcron Monument Federal #14-11  
SW SW Section 11, T9S, R16E  
Duchesne County, Utah  
FLS #U-096547

43-012-31374

If you have any questions, please give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

August 5, 1993

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

Enclosed are sundry notices requesting an extension for the APDs  
for the following wells:

- Balcron Monument Federal #14-11
- Balcron Monument Federal #23-15
- Balcron Monument Federal #23-11
- Balcron Monument Federal #32-15
- Balcron Monument Federal #41-15

All of these APDs expire in September 1993 and our drilling  
program has these wells scheduled to begin after the expiration  
dates. If you need to hold these requests until closer to the  
expiration dates, please do so.

If you have any questions or need further information, please  
give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

**RECEIVED**

AUG 9 1993

DIVISION OF  
OIL GAS & MINING



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: Equitable Resources Energy Company,  
Balcron Oil Division

3. Address and Telephone Number:  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well  
Footages: 1787' FSL, 2147' FWL  
QQ, Sec., T., R., M.: NE SW Section 11, T9S, R16E

5. Lease Designation and Serial Number:

Federal # U-096550

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

Jonah Unit

8. Well Name and Number:

Balcron Monument Fed. #23-11

9. API Well Number:

43-013-31369

10. Field and Pool, or Wildcat:

Monument Butte/Grn. River

County: Duchesne

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment                                       | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                                     | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                                   | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection                           | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat                                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Request for APD extension</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This APD is scheduled to expire 9/21/93. We hereby request a one-year extension to this APD as our current drilling program has this well scheduled to begin after the expiration date.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8-10-93  
BY: [Signature]

**RECEIVED**

AUG 09 1993

DIVISION OF  
OIL GAS & MINING

13.

Name & Signature:

[Signature]  
Bobbie Schuman

Coordinator of Environmental  
and Regulatory Affairs

Title:

Date: 8/5/93

(This space for State use only)

1 406 245 1361

SEP 01 '93 11:32AM BALCRON OIL DIV

P.9/9

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E

Duchesne County, Utah

2100' FWL, 1980' FSL

PTD: 5,750' Formation: Green River

Monument Butte Prospect

Elevations: 5,622' GL

Contractor:

Operator: Balcron/EREC

Spud: 8/30/93

Casing:

8-31-93 WELL SPUDDED 12:30 PM, 8/30/93

DAILY OPERATING REPORTBALCROON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E

Duchesne County, Utah

2100' FWL, 1980' FSL

PTD: 3,750' Formation: Green River

Monument Butte Prospect

Elevations: 5,622' GL

Contractor:

Operator: Balcron/EREC

Spud: 8/30/93

Casing:

8-31-93 WELL SPUDDED 12:30 PM, 8/30/93

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES ENERGY 43-013-31369

WELL NAME: MONUMENT FEDERAL 23-11

Section 11 Township 9S Range 16E County DUCHESNE

Drilling Contractor MOLIN

Rig # 1

SPUDDED: Date 8/30/93

Time 12:30 PM

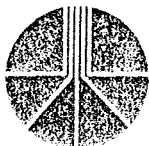
How DRY HOLE

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 9/2/93 SIGNED JLT



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

August 30, 1993

RECEIVED

SEP 01 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

DIVISION OF  
OIL, GAS & MINING

Gentlemen:

Enclosed are sundry notices reporting that we are changing the drilling rig from the way it is shown in the APD for the following wells:

Balcron Monument Federal #32-11  
SW NE Section 11, T9S, R16E  
Duchesne County, Utah

Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #23-11

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 11, T9S, R16E

1787' FSL, 2147' FWL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other change in drllg. rig  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator will be using Union Drilling Rig #17 to drill this well. New wellsite layout (EXHIBIT "G"), BOPE diagram ("H"), and Drilling Program ("D") are attached.

RECEIVED

SEP 01 1993

9-2-93  
*[Signature]*

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman  
(This space for Federal or State office use)

Coordinator of Environmental  
and Regulatory Affairs

Date 8-30-93

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

43-013-31369

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Equitable Resources Energy Company  
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area  
LOCATION: Twn.9S Rge.16E & 17E  
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte  
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

12 1/4" 0 to 260'  
7 7/8" 260 to T.D.

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SEP 01 1993

CASING	INTERVAL		CASING		DIVISION OF OIL, GAS & MINING
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY  
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

RECEIVED

SEP 02 1993

Office: (406) 259-7860  
FAX: (406) 245-1365  
FAX: (406) 245-1361

September 1, 1993

DIVISION OF  
OIL, GAS & MINING

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

Enclosed are sundry notices changing the drilling source water for the following wells:

Balcron Monument Federal #23-11

Balcron Monument Federal #32-11

We are changing the source from the Owen Dale Anderson source to the Joe Shields source.

To confirm a discussion with Stan Olmstead of your office, our records indicate that we have currently used the Joe Shields source on five wells. A total of 7,395 bbls water has actually been used. This breaks down as follows:

# bbls used on five wells:	11,040
# bbls reused:	<u>- 3,645</u>
TOTAL NUMBER OF BBLS FROM SOURCE:	7,395

We have been able to reuse water from each well we drill which is allowing us to keep well under the allotted amount of 7000 bbls water per well.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 11, T9S, R16E

1787' FSL, 2147' FWL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #23-11

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other change in drilling  
water source
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We plan to use Joe Shields water source for drilling this well. A copy of Permit #47-1674 (Application 57708) is attached.

RECEIVED

SEP 02 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman  
Bobbie Schuman  
(This space for Federal or State office use)

Coordinator of Environmental  
and Regulatory Affairs

Date August 31, 1993

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

47-1674

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☒ Domestic ☐ Stockwatering ☐ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒
2. The name of the applicant is Joe Shields
3. The Post Office address of the applicant is Myton, Utah 84052
4. The quantity of water to be appropriated .015 second-feet and/or \_\_\_\_\_ acre-feet
5. The water is to be used for Stockwatering & Other from \_\_\_\_\_ to \_\_\_\_\_  
 (Major Purpose) (Month) (Day) (Month) (Day)  
 other use period Irrigation from Apr. 1 to Oct. 31  
 (Minor Purpose) (Month) (Day) (Month) (Day)  
 and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
 (Month) (Day) (Month) (Day)
6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_  
 (Leave Blank)
7. The direct source of supply is\* Drain  
 (Name of stream or other source)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point\*  
West 900 ft. South 1100ft. from E½ Cor. Sec. 15, T4S, R2W, USB&M  
(3½ Miles SW of Myton)

Myton, Utah

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection ditch to place of use
10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
 area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_
11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
NE¼SE¼ Sec. 15, T4S, R2W, USB&M
- Total .25 Acres
12. Is the land owned by the applicant? Yes X No \_\_\_\_\_ If "No," explain on page 2.
13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No X  
 If "yes," identify other water rights on page 2.
14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_
15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at  
 the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_
16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle  
 in NE¼SE¼ Sec. 15, T4S, R2W, USB&M
17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_
18. If application is for municipal purposes, name of municipality \_\_\_\_\_
19. If application is for other uses, include general description of proposed uses Oil Field use
20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Myton Oil Field in Pleasant Valley
21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and \_\_\_\_\_ second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

# EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

*(This area contains horizontal lines for additional facts.)*

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

*[Signature]*  
Signature of Applicant\*

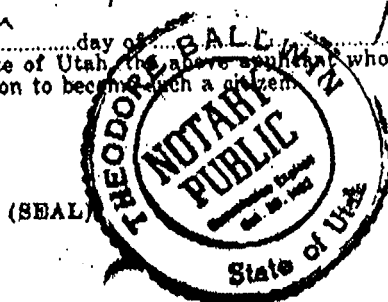
\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

## DECLARATION OF CITIZENSHIP

STATE OF UTAH, *Uintah* }  
County of *10th*

On the *10th* day of *May*, 19 *82*, personally appeared before me, a notary public for the State of Utah, *Theodore Baldwin*, who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:



*Theodore Baldwin*  
Notary Public

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SEP 03 1993

Equitable Resources Energy Company,  
Balcron Oil Division

OPERATOR ACCT. NO. N 9890

ADDRESS P.O. Box 21017  
Billings, MT 59104

DIVISION OF

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11518	43-013-31369	Balcron Monument Federal #23-11	NE SW	11	9S	16E	Duchesne	8/30/93	8/30/93
WELL 1 COMMENTS: Entity added 9-7-93 Spud of new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

DATE: August 31, 1993

*Lobbie Schuman*  
Signature  
Coordinator of Environmental  
and Regulatory Affairs  
Title  
Date  
Phone No. (406) 259-7860

EQUITABLE RESOURCES  
ENERGY COMPANY

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

August 31, 1993

RECEIVED  
SEP 03 1993

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

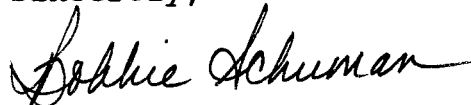
DIVISION OF  
OIL, GAS & MINING

Gentlemen:

RE: Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Enclosed is our Entity Action Form along with a copy of the  
Federal sundry notice reporting spud of the referenced well.

Sincerely,



Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-096550
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017; Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation Jonah Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE SW Section 11, T9S, R16E 1787' FSL, 2147' FWL	8. Well Name and No. Balcron Monument Fed. #23-11
	9. API Well No. 43-013-31369
	10. Field and Pool, or Exploratory Area Monument Butte/Grn. River
	11. County or Parish, State Duchesne County, UTAH

2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>spud of well</u>	<input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		
3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		

This well was spud at 12:30 p.m. <sup>8/30/93</sup>~~8/30/93~~ by Leon Ross Drilling.

RECEIVED

SEP 03 1993

DIVISION OF  
OIL, GAS & MINING

4. I hereby certify that the foregoing is true and correct		
Signed <u>Bobbie Schuman</u>	Title <u>Coordinator of Environmental and Regulatory Affairs</u>	Date <u>August 31, 1993</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Page 1 of 3

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9-13-93  
~~9-10-93~~

**\*\*JONAH UNIT PARTNER' DAILY REPORT\*\***

**BALCRON MONUMENT FEDERAL #13-5**    Operator: EREC/Balcron  
--TIGHT HOLE--                      Location: NW SW Section 5, T9S, R17E  
    Duchesne County, Utah  
    Prospect: Jonah Unit, Monument Butte

9-11-93    Completion  
Csg vac psig. TIH w/BP retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" HD packer, seat nipple & 2-7/8" tbg. Tag sand fill @ 4727' KB, RU to circ, clean out to 4869' KB. POOH & set packer @ 4581' KB. made 30 swab runs. last 4 runs 2% oil. Fluid level 3200' last 4 runs. No sand. Release packer, tag sand fill @ 4850' KB. Clean out to BP, release BP, TOOH w/tbg & btm hole assembly. SDFN. Load recovered 175 BOW, load to recover 659 BOW.  
DC: \$1,965

**BALCRON MONUMENT FEDERAL #23-5**    Operator: EREC/Balcron  
    Location: NE SW Section 5, T9S, R17E  
    Duchesne County, Utah  
    Prospect: Jonah Unit / Monument Butte  
PTD: 5700'    Green River    Oil - Dev.

9-12-93    TD: 1,840' (1,246') Day 2  
            Formation: Green River  
            MW 8.3    VIS 26    pH 10  
            Present Operation: Drilling  
            Drill, survey, clean & paint, & level derrick.  
            DC: \$15,050                      CC: \$45,977

**BALCRON MONUMENT FEDERAL #23-11**    Operator: Balcron/EREC  
    Location: NE SW Section 11, T9S, R16E  
---TIGHT HOLE---                              Duchesne County, Utah  
    Prospect: Monument Butte  
PTD: 5750'    Green River    Oil - Dev.

8-25-93    Start location.

8-26-93    Work on location.

8-27-93    Finish location.

8-30-93    Move on Ross air rig. Spud 12:30 8-30-93. Drill 12-1/4" hole to 268'.

Page 1 of 1

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/14/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***

BALCRON MONUMENT FEDERAL #13-5  
--TIGHT HOLE--

Operator: EREC/Balcron  
Location: NW SW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte

9-13-93 Completion  
CP - 75 psig. TIH w/1 jt 2-7/8" EUE, J-55, 8RD - 31.50'; 1 perf  
sub 2-7/8" x 3' - 3.20'; 1 seating nipple - 1.10'; 178 jts tbgs 2-  
7/8" EUE, J-55, 8RD, 6.5# - 5532.38'; total - 5568.18' + KB 13' =  
5581.18'. ND BOP, NU wellhead. TIH w/1 BHP, 2-1/2 x 1-1/2 x 16'  
BHAC w/ring plunger; six 1'x25' rods EL w/2-1/2 ritch guides; 214  
3/4"x25' rods grade D plain; two 3/4" x 6' pony; two 3/4"x4' pony;  
one 3/4"x2' pony; one 1-1/4 x 16' polish rod SM. Clamp rods off.  
RDMO.  
DC: \$6,873

BALCRON MONUMENT FEDERAL #23-11

Operator: EREC/Balcron  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit - Monument Butte  
PTD: 5750' Green River Oil - Dev.

9-14-93 TD: 476' (25') Day 2  
Formation: Uintah  
MW 8.4 VIS 27 pH 9  
Present Operation: WO parts.  
Drill, pull main drum out of draw-works & sent to machine shop to  
replace bearings.  
DC: \$676 CC: \$24,442



Page 1 of 1

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/15/93

**\*\*JONAH UNIT PARTNERS' REPORT\*\*****BALCRON MONUMENT FEDERAL #23-11**

Operator: Balcron/EREC  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

---TIGHT HOLE---

9-15-93 TD: 476' (0') Day 3  
Formation: Uintah  
Present Operation: WO repairs.  
DC: \$972 CC: \$25,414

**BALCRON MONUMENT FEDERAL #22-5**

Operator: EREC/Balcron  
Location: SE NW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

--TIGHT HOLE--

9-14-93 Completion  
PU & RIH w/bit, scraper, & 2-7/8" tbg to PBTD. Circ hole clean w/160 STB 2% KCl wtr. TOOH w/2-7/8" tbg, scraper & bit. RU Schlumberger to perf. 1st run perf from:  
4890', 4894', 4895' KB one shot each  
4900', 4903', 4906' KB one shot each  
5041', 5042', 5043', 5044', 5048' KB one shot each (total 10 shots) 90° phase.  
Top gun did not fire, TOOH w/gun. 2nd run - rerun for top perfs @ 4890', 4894', & 4895' KB & TOOH w/gun. RIH w/tail jt 2-7/8" tbg, Model R-3 Backer packer, SN, & 2-7/8" tbg, set packer @ 4838' KB w/30,000# compression. RU Western to breakdown perfs above. Start puming, pressure to 2000 psig & csg annulus communicated, packer failed, reset packer @ 4838', pressure failure @ 800 psig, pull up hole & reset packer @ 4832' KB, pressure failure @ 700 psig. TOOH w/2-7/8" tbg, SN, Model R-3 packer, & tail jt. LD Model R-3 packer & PU 5-1/2" Arrow HD packer. RIH w/tail jt, HD packer, SN & 2-7/8" tbg. Set packer @ 4838' KB w/30,000# compression. SDFN  
DC: \$14,481

**BALCRON MONUMENT FEDERAL #23-5**

Operator: EREC/Balcron  
Location: NE SW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte

9-15-93 TD: 4,010' (540') Day 5  
Formation: Green River  
MW 8.4 VIS 26 pH 10  
Present Operation: Drilling  
Drill, survey, trip for bit #2. Drill ahead.  
DC: \$7,673 CC: \$75,845

# Balcron Oil

## DAILY OPERATING REPORT

DATE: 9/16/93

**\*\*JONAH UNIT PARTNERS' REPORT\*\***BALCRON MONUMENT FEDERAL #13-5  
--TIGHT HOLE--

Operator: EREC/Balcron  
 Location: NW SW Section 5, T9S, R17E  
 Duchesne County, Utah  
 Prospect: Jonah Unit, Monument Butte

9-15-93 Completion  
 Reserve pit restoration. Start surface equipment hookup.  
 DC: \$13,074

BALCRON MONUMENT FEDERAL #23-5

Operator: EREC/Balcron  
 Location: NE SW Section 5, T9S, R17E  
 Duchesne County, Utah  
 Prospect: Jonah Unit, Monument Butte

9-16-93 TD: 4,649' (639') Day 6  
 Formation: Green River  
 MW 8.4 VIs 27 pH 10  
 Present Operation: Drilling  
 Drill, survey, clean & paint. Unload rest of 5-1/2" csg.  
 DC: \$8,414 CC: \$84,259

BALCRON MONUMENT FEDERAL #23-11

Operator: Balcron/EREC  
 Location: NE SW Section 11, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Monument Butte

9-16-93 TD: 476' (0') Day 4  
 Formation: Uintah  
 Present Operation: Repair rig.  
 DC: \$400 CC: \$25,814

BALCRON MONUMENT FEDERAL #22-5  
--TIGHT HOLE--

Operator: EREC/Balcron  
 Location: SE NW Section 5, T9S, R17E  
 Duchesne County, Utah  
 Prospect: Jonah Unit, Monument Butte Field

9-15-93 Completion  
 CP - 40 psig, TP - 0 psig. RU Western to break down. Pressure test surface equip to 5000 psig - OK. Initial break 3100 psig to 2400 psig @ 4 BPM, start ball. Balls on perfs. Ball off, surge balls back, pump for rate 6 BPM @ 3000 psig, ISIP - 1500 psig. TOOH w/tbg & packer. RU Western to frac, pressure test surface equip to 6000 psig - OK.

	Max Rate	Max PSI	BOS	
Pad	10.8	3000		1600 ISIP
Sand #2 20/40	Shut frac down		13	
3# 20/40	Will acidize		14	
4# 20/40	9-17-93		41	
5# 20/40			58	
6# 20/40			61	
6# 16/30			45	
7# 16/30	Load to rec 128 BOW			
8# 16/30			32	
Flush			116	
DC: \$13,142				

Page 1 of 1

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/17/93

**\*\*Jonah Unit Partners' Report\*\*****BALCRON MONUMENT FEDERAL #23-11**

Operator: Balcron/EREC  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

**---TIGHT HOLE---**

9-17-93 TD: 1,825' (1,349') Day 5  
Formation: Green River  
MW 8.3 VIS 27 pH 11  
Present Operation: Drilling  
Repair rig, drill, survey, & clean on rig.  
DC: \$19,986 CC: \$42,800

**BALCRON MONUMENT FEDERAL #23-5**

Operator: EREC/Balcron  
Location: NE SW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte

**--TIGHT HOLE--**

9-17-93 TD: 5,215' (566') Day 7  
Formation: Green River  
MW 8.4 VIS 26 WL 10.5  
Present Operation: Drilling  
Drilling, survey, clean & paint.  
DC: \$8,885 CC: \$93,144

Page 1 of 3

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/21/93

**\*\*Jonah Unit Partners' Daily Report\*\***

**BALCRON MONUMENT FEDERAL #32-11**  
**--TIGHT HOLE--**

Operator: EREC/Balcron  
Location: SW NE Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-20-93 Completion  
CP -0. TIH w/5-1/2" HD packer, set packer @ 5105' KB. RU Dowell to do breakdown. Pressure test surface equipment to 4500 psig - OK. Start breakdown, initial break @ 1500 psig, back to 1100 psig. Start balls, 2 balls per bbl, ball off, surge back. Pump for rate 6 BPM @ 1700 psig, ISIP - 590 psig. RD Dowell. Load used 64 BW. Unset packer & TOOH w/tbg & packer. RU Dowell to frac (frac tank ruptured), replace tanks. Pressure test surface equipment. Frac well w/43,460# 16/30 sand; ISIP 1635, 5 min 1490, 10 min 1425, 15 min 1350. Average rate 20 BPM, average psi 1800 psi. SDFN. See Treatment Report attached - 2 pages.  
DC: \$21,860

**BALCRON MONUMENT FEDERAL #23-11**

**---TIGHT HOLE---**

Operator: Balcron/EREC  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

9-21-93 TD: 5,507' (567') Day 9

BALCROON MONUMENT FEDERAL #23-11

Operator: Balcron/EREC

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

9-18-93 TD: 3,118' (1,293') Day 6  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$16,322 CC: \$59,122

9-19-93 TD: 3,956' (838') Day 7  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, change airhead rubber.  
DC: \$10,931 CC: \$70,053

9-20-93 TD: 4,940' (984') Day 8  
Formation: Green River  
MW 8.4 VIS 27 Ph 10.5  
Present Operation: Drilling  
Drill, survey & clean on rig.  
DC: \$15,461 CC: \$85,514

BALCROON MONUMENT FEDERAL #23-5

Operator: EREC/Balcron

Location: NE SW Section 5, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit, Monument Butte

--TIGHT HOLE--

9-18-93 TD: 5,800' (585') Day 8  
Formation: Green River  
MW 8.4 VIS 26 pH 10.5  
Present Operation: Circ for logs.  
Drill, survey, grill steaks & circ for logs. TD 4:45 a.m. 9-18-93.  
DC: \$7,882 CC: \$101,026

9-19-93 TD: 5,800' (0') Day 9  
Formation: Green River  
Present Operation: Cementing  
Circ, TOH for logs. Log well, TIH & circ. LD drill pipe &  
collars. Run 5-1/2" csg & cmt w/Western. Guide shoe - .70', 1 jt  
5-1/2" 15.5 K-55 shoe jt - 44.41', float collars - 2.45', 133 jts  
5-1/2" 15%, K-55 pipe 5713.01', landing jt - 12'. Set @ 5772.57'.  
PBSD - 5725.01'. 20 centralizers. Cmt by Western w/154 exs  
Thirty lite & tail w/258 exs 50-50 POZ. Plug down @ 6 a.m. 9-19-  
93. Release rig @ 10 a.m. 9-19-93.  
DC: \$60,480 CC: \$161,506

9-20-93 TD: 5,800' (0') Day 10  
Present Operation: RDMO  
Nipple down BOP, set slips, & clean mud tank.  
DC: \$1,100 CC: \$162,606

Page 1 of 1

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/22/93

**\*\*Jonah Unit Partners' Daily Report\*\***

**BALCRON MONUMENT FEDERAL #22-5**  
**--TIGHT HOLE--**

Operator: EREC/Balcron  
Location: SE NW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-21-93 Completion  
TIH w/1 jt 2-7/8" tbg - 29.95'; 1 perf sub 2-7/8" - 3.2'; 1 seat nipple - 1.10'; 166 jts 2-7/8" tbg EUE, J-55 - 5076.45: landed at 5089' KB. ND BOP, NU wellhead. TIH w/1 BHP 2-1/2 x 1-1/2 x 16' RHAC w/PA plunger; 202 rods 3/4" x 25' plain; one 3/4" x 8' pony; two 3/4" x 6' pony, one 1-1/4" x 16' polish rods SM. Clamp rods off. RDMO.  
DC: \$7,000

**BALCRON MONUMENT FEDERAL #32-11**  
**--TIGHT HOLE--**

Operator: EREC/Balcron  
Location: SW NE Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte Field

9-21-93 Completion  
Csg vac. TIH w/5-1/2" packer & tbg. Tag sand fill @ 5513' KB. Set packer @ 5105'. Made 5 swab runs, packer leaking. Reset packer @ 5074', made 3 swab runs, packer leaking. TOOH w/tbg & packer. TIH w/1 jt 2-7/8" tbg, one 5-1/2" packer & 2-7/8" tbg, set packer @ 5105' KB. Made 16 swab runs. Recovered 126 BF, last 2 runs 2% oil. SDFN. Load to recover 450 BW.  
DC: \$5,543

**BALCRON MONUMENT FEDERAL #23-11**  
**---TIGHT HOLE---**

Operator: Balcron/EREC  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

9-22-93 TD: 5,750' (243') Day 10  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: RU loggers.  
Trip for bit, drill, circ for logs, survey & TOH.  
DC: \$5,175 CC: \$98,694

Page 1 of 2

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/23/93

**\*\*JONAH UNIT PARTNERS' REPORT\*\*****BALCRON MONUMENT FEDERAL #13-5****--TIGHT HOLE--**

Operator: EREC/Balcron

Location: NW SW Section 5, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit, Monument Butte

9-22-93 Completion  
Pit reclamation. Continue to hookup surface equipment.  
DC: \$2,662

**BALCRON MONUMENT FEDERAL #22-5****--TIGHT HOLE--**

Operator: EREC/Balcron

Location: SE NW Section 5, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit, Monument Butte Field

9-22-93 Completion  
Start reclamation of pit. Start surface equipment hookup.  
DC: \$12,201

**BALCRON MONUMENT FEDERAL #32-11****--TIGHT HOLE--**

Operator: EREC/Balcron

Location: SW NE Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit, Monument Butte Field

9-22-93 Completion  
CP - 50 psig. Made 8 runs, recovered 38 BF, 7 oil - 32 wtr.  
Release packer, RIH, tag sand fill @ 5497' KB. Circ clean to 5711'  
(PBSD). TOOH w/tbg & packer. RU Cutter Wireline to perf 4740'-  
4744' 2 SPF. RD Cutters Wireline. TIH w/5-1/2" BP set @ 5063' KB,  
5-1/2" HD packer set @ 4667' KB. SDFN.  
DC: \$7,027

**BALCRON MONUMENT FEDERAL #23-11****---TIGHT HOLE---**

Operator: Balcron/EREC

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

9-23-93 TD: 5,750' (0') Day 11  
Formation: Green River  
Present Operation: RDMO  
Log well, had to run Density log over. TIH & circ, LD drill pipe  
& collars. Run 5-1/2" csg & cmt. ND, set slips & clean mud tanks.  
Plug down @ 2:30 a.m. 9-23-93. Rig released @ 6 a.m. 9-23-93.  
Csg: Guide shoe .75'; 1 jt 15.50 shoe jt - 44.19'; float collar -  
2.65'; 135 jt 5-1/2" 15.5# K-55 - 5174.08'; landing jt - 9'; Csg  
set @ 5730.67'. PBSD - 5683.08'. 20 centralizers. Cmt'd by  
Halliburton w/90 sxs hifill & tail w/350 sxs 50-50. Plug down @  
2:30 a.m. 9-23-93.  
DC: \$63,363

CC: \$162,057

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Balcron Oil  
ADDRESS P.O. Box 21017  
Billings MT 59104

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
C	11518	11492 <del>11511</del>	43013 <del>31369</del>	Conf. M. Butte 23-11	NE SW	11	9S	16E	Duchesne	8-30-93	8/1/93
WELL 1 COMMENTS: Jonah Unit      Entries added 9-24-93- <i>lee</i>											
C	11515	11492 <del>11511</del>	43013 31386	Conf. M. Butte 32-11	SW NE	11	9S	16E	Duchesne	8-27-93	8/1/93
WELL 2 COMMENTS: Jonah Unit											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

RECEIVED

SEP 23 1993

DIVISION OF  
OIL, GAS & MINING

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Dawn Schindler  
Signature  
Prod. Acct      9-21-93  
Title      Date  
Phone No. (406) 259-7860



Page 1 of 1

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/30/93

**\*\*JONAH UNIT PARTNERS' REPORT\*\***

**BALCRON MONUMENT FEDERAL #23-11** Operator: Balcron/EREC  
 BOD WI: 79.78%  
 Location: NE SW Section 11, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Monument Butte

---TIGHT HOLE---

9-29-93 Completion  
 Csg - vac psig. TIH w/BP retrieving head, 1 jt 2-7/8" tbg, packer,  
 SN & 162 jts 2-7/8" tbg. Tag sand fill @ 5095' KB. Circ sand out  
 at BP, set packer @ 5095' KB. Made 22 swab runs, recovered 79 BF,  
 1 all, 78 water. Last 3 runs stable @ 5050, oil trace. SWIFN.  
 Load to recover 542 BW.  
 DC: \$19,679

**BALCRON MONUMENT FEDERAL #14-11** Operator: Balcron/EREC  
 BOD WI: 100%  
 Location: SW SW Section 11, T9S, R16E  
 Duchesne County, Utah  
 Prospect: Monument Butte

---TIGHT HOLE---

9-30-93 TD: 5,720' (0') Day 7  
 Formation: Green River  
 MW 8.6 VIS 30 pH 10  
 Present Operation: Circ 5-1/2" csg.  
 Finished logging #1 DIL-MSFL-GR, #2 - LDT-CNL-GR, #3 - RFT-GR.  
 TIH, circ & cond to run 5-1/2" csg. LD string, run 5-1/2" csg.  
 Ran 132 jts new 15.5#, K-55, R-3, 8RD LT&C csg - 5687.92 @ 5699.92  
 KB. PBTD @ 5663.56' KB.  

132 jts	5687.92'
Guide Shoe	1.00'
Float Collar	1.00'
<u>Rig KB</u>	<u>10.00'</u>
	5699.92' KB

Shoe Jt	- 36.36'
PBTD	5663.56' KB

 Cmt'd w/136 sxs "G" + additives. Tailed w/206 sxs 50-50 POZ +  
 additives. Displaced w/134.8 bbls fresh water.  
 DC: \$53,875 CC: \$155,404

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 9/29/93

**\*\*JONAH UNIT PARTNERS' REPORT\*\***  
**BALCRON MONUMENT FEDERAL #14-11**

---TIGHT HOLE---

Operator: Balcron/EREC  
BOD WI: 100%  
Location: SW SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

9-29-93 TD: 5,720' (660') Day 6  
Formation: Green River  
MW 8.6 VIS 30 pH 10  
Present Operation: Logging  
Drill & survey. Drilled to 5721' @ 9:30 p.m. 9-28-93. Circ & cond  
hole. TOH to log, strap out.  
DC: \$10,868 CC: \$101,529

**BALCRON MONUMENT FEDERAL #23-11**

---TIGHT HOLE---

Operator: Balcron/EREC  
BOD WI: 79.78%  
Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah  
Prospect: Monument Butte

9-27-93 Completion  
MIRU, TIH w/4-3/4" drag bit, 5-1/2" scraper & 182 jts 2-7/8" EUE,  
J-55 tbg. Tag PSTD @ 5671' KB. Circ hole clean w/2% KCL wtr, TOOH  
w/tbg & tools. RU Schlumberger to perf 5155'-5162', 5171'-5181' KB  
2 SPF. RD Schlumberger. TIH w/5-1/2" BP, 5-1/2" packer & 165 jts  
2-7/8" tbg, set BP @ 5204' KB, set packer @ 5167' KB. RU Western  
to break down pressure test surface equipment to 5000 psig - OK.  
Start break down, initial 1600 psi, back to 800 psi, 2 BPM.  
Communicated between perfs, reset packer @ 5122' KB. Start break  
down initial break 1000 psi, back to 800 psi, 2.5 BPM. No ball  
off, ISIP - 800 psi. Pump for rate 6.6 BPM @ 2200 psi, ISIP 800.  
SDFN. Load to recover 124 BW. See treatment report attached.  
DC: \$18,068

9-28-93 Completion  
Csg vac, tbg vac. TOOH w/tbg & packer. RU Western to frac.  
Pressure tests surface equipment to 4000 psi - OK. Load hole 66  
bbls, fluid level. Frac well using 28,200# 20-40 sand & 29,180#  
16-30 sand. Average treating rate 25.1 BPM, average treating  
pressure - 1800 psi. See treatment report attached.  
DC: \$22,368

**BALCRON MONUMENT FEDERAL #23-5**

---TIGHT HOLE---

Operator: EREC/Balcron  
BOD WI: 79.78%  
Location: NE SW Section 5, T9S, R17E  
Duchesne County, Utah  
Prospect: Jonah Unit, Monument Butte

9-28-93 Completion  
CP - 795 psi. Flowed back 70 BW. TIH w/1 jt 2-7/8" tbg, 5-1/2"  
packer, SN, 177 jts tbg. Tag sand fill at 5505', circ to 5726',  
set packer 5426', EOT 5464'. Made 38 swab runs, recovered 228 BF.  
Last 4 runs fluid stable @ 3600', 5% oil, good gas. SWIFN.  
DC: \$1,787



## The Western Company—Treatment Report

Date 9-28-93 District Ukiah F. Receipt 261939 Operator Burton Oil Co  
Lease Burton Prop Well No. 23-113 #2 Field Marathon B.H.C. Location                       
County Duchess State Ut Stage Number #2 This Zone ☒ This Well ☒

WELL DATA		OGG	NGD	NOG	OGG	WDO	IWO	Misc.	Depth TD/PB	Surf	Formation
Tubing Size		WT.		Set at:		Type Packer		Set At			
Casing Size		WT.		Set From		To		Liner Size		WT.	
Liner Set From		To		Open Hole: Size		From		To		Casing Perforations: Size	
Holes Per Foot		Intervals		3155 - 5181		24 (H/L's)					
Previous Treatment		N/A		Prior Production		N/A					

TREATMENT DATA		Pad Used: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Pad Type <u>U11</u> <u>1-35M</u> Treating Fluid Type: Foam <input type="checkbox"/> Water <input checked="" type="checkbox"/> Acid <input type="checkbox"/> Oil <input type="checkbox"/> Treat. Fluid Vol. <u>16,212</u> Gal. Base Fluid Type <u>U11</u> <u>1-35M</u> Base Fluid Vol. <u>16,212</u> Gal. Foam Qual.: <u>      </u> % Mitchell <input type="checkbox"/> Slurry <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Downhole <input type="checkbox"/> Total Prop Qty. <u>      </u> Lbs. Prop Type: Sand <input checked="" type="checkbox"/> WP-1 <input type="checkbox"/> WP-3 <input type="checkbox"/> Baux. <input type="checkbox"/> Other <u>28/40</u> <u>16/30</u> Prop Mesh Sizes, Types and Quantities <u>20/40</u> <u>28,300</u> <u>16/30</u> <u>29,180</u> Hole Loaded With <u>      </u> Treat Via: Tubing <input type="checkbox"/> Casing <input checked="" type="checkbox"/> Anul. <input type="checkbox"/> Tubing & Anul. <input type="checkbox"/> Ball Sealers: <u>      </u> in <u>      </u> Stages of <u>      </u> Types and Number of Pumps Used <u>2-1300 Tm</u> <u>1-136 (400)</u> Auxiliary Materials <u>1 qt. Prop. Gel</u> <u>20</u>		LIQUID/GAS PUMPED AND CAPACITIES IN BBLs Tubing Cap. <u>      </u> Casing Cap. <u>137</u> Annular Cap. <u>      </u> Open Hole Cap. <u>      </u> Fluid to Load <u>66</u> Pad Volume <u>123</u> Treating Fluid <u>380</u> Flush <u>121</u> Overflush <u>      </u> Fluid to Recover <u>309</u> Total NP <u>      </u> Total CO <sub>2</sub> <u>      </u>	
PROCEDURE SUMMARY					

[illegible]

Treating Pressure: Min. 1650 Max. 2250 Avg. 1800 Customer Representative Dale Carlson  
 Inj. Rate on Treating Fluid 25.1 Rate on Flush 25.2 Western Representative R. Bowersell  
 Avg. Inj. Rate 25.1 I.S.D.P. 1700 Flush Dens. lb./gal. 8.4 Distribution RA/CFM  
 Initial Shut-in Pressure 1430 in 15 Minutes  
 Operator's Maximum Pressure 2000 PSI

Job Number: \_\_\_\_\_ Recommendation ID #: \_\_\_\_\_



## The Western Company—Treatment Report

Date 9-27-93 District Verona F. Receipt 261935 Operator CAIGRAU  
 Lease Federal Well No. 22-115 Field Presmit Valley Location Verona  
 County Ouchegone State MT Stage Number 1 This Zone Ø This Well Ø

WELL DATA OGD ☐ NGD ☐ NOD ☐ OOD ☐ WOD ☐ IWD ☐ Misc. ☐ Depth TD/PB            Formation             
 Tubing Size 2 7/8 WT. 6.5 Set at: 5122 Type Packer            Set At             
 Casing Size 5.5 WT. 15.5 Set From Surf To TD Liner Size            Wt.             
 Liner Set From            To            Open Hole: Size            From            To            Casing Perforations: Size             
 Holes Per Foot            Intervals 2 Balls / (212)  
 Previous Treatment N/A Prior Production N/A

TREATMENT DATA Pad Used: Yes ☐ No ☒ Pad Type             
 Treating Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Treat. Fluid Vol.            Gal.  
 Base Fluid Type 270 XCL Base Fluid Vol.            Gal.  
 Foam Qual.:            % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty.            Lbs.  
 Prop Type: Sand ☐ WP-1 ☐ WP-3 ☐ Baux. ☐ Other             
 Prop Mesh Sizes, Types and Quantities             
 Hole Loaded With XCL Treat Via: Tubing ☐ Casing ☐ Anul. ☐ Tubing & Anul. ☐  
 Ball Sealers: 65 In Ø 1 Stages of 31  
 Types and Number of Pumps Used 1 Acid Pump 200  
 Auxiliary Materials 50 BALLS 1.3 sp GR 7/8

## LIQUID/GAS PUMPED AND CAPACITIES IN BBLs

Tubing Cap.             
 Casing Cap.             
 Annular Cap.             
 Open Hole Cap.             
 Fluid to Load             
 Pad Volume             
 Treating Fluid             
 Flush             
 Overflush             
 Fluid to Recover             
 Total N<sub>2</sub>             
 Total CO<sub>2</sub>           

## PROCEDURE SUMMARY

DRIP BALLS IN XCL FLUSH TO BOTTOM PER

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs Pumped		Slurry Rate BPM	Surface CO <sub>2</sub> BBLs Pumped		CO <sub>2</sub> Rate BPM	Surface N <sub>2</sub> MSCF Pumped		N <sub>2</sub> Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
6:22	1500			12.5	3.1							PRESSURE TEST
6:32	1500			12.5	3.1							START BREAKDOWN
6:36	1500			10.0	5.0							SHUT DOWN / COMMUNICATE
6:54	1200			10.0	5.0							START Injection Test
6:55	500			30.5	4.0							ISDI? IS 500 PSI
6:58	1000			30.5	4.0							START BALLS
7:03	1200			37.0	4.0							BALLS ON PERC.
7:14	1800			11.5	6.6							SHUT DOWN SAGG BALLS
7:21	2200											START RATE TEST

Treating Pressure: Min. 1000 Max. 2200 Avg. 1800 Customer Representative DALE BRITTON  
 Inj. Rate on Treating Fluid 4.0 Rate on Flush 4.0 Western Representative KEN EDWARDS  
 Avg. Inj. Rate 5.0 I.S.D.P. 800 Flush Dens. lb./gal. 8.5 Distribution RIS TANK  
 Final Shut-in Pressure            In            Minutes             
 Operator's Maximum Pressure 4000

Job Number

Recommendation ID #



# The Western Company—Treatment Report

Date 9-27-93 District Werkman F. Receipt 261935 Operator PAICOLI  
 Lease Federal Well No. 23-115 Field Prosperity Valley Location sec 11 T 95 R. 16E  
 County Dickinson State ND Stage Number 1 This Zone ☒ This Well ☒

**WELL DATA** OGI ☐ NGI ☐ NOI ☐ OOI ☐ WDI ☐ IWI ☐ Misc. ☐ Depth TD/PB            Formation             
 Tubing Size 2 7/8 WT. 6.5 Set at: 5132 Type Packer            Set At             
 Casing Size 5.5 WT. 15.5 Set From Surf To TD Liner Size            Wt.             
 Liner Set From            To            Open Hole: Size            From            To            Casing Perforations: Size             
 Holes Per Foot            Intervals 2 BALLS / 121  
 Previous Treatment N/A Prior Production N/A

**TREATMENT DATA** Pad Used: Yes ☐ No ☒ Pad Type             
 Treating Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Treat. Fluid Vol.            Gal.  
 Base Fluid Type 2% Xcl Base Fluid Vol.            Gal.  
 Foam Qual.:            % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty.            Lbs.  
 Prop Type: Sand ☐ WP-1 ☐ WP-3 ☐ Baux. ☐ Other             
 Prop Mesh Sizes, Types and Quantities             
 Hole Loaded With Xcl Treat Via: Tubing ☐ Casing ☐ Anul. ☐ Tubing & Anul. ☐  
 Ball Sealers: 65 In 31 Stages of 31  
 Types and Number of Pumps Used 1 Acid Pump 1000  
 Auxiliary Materials 50 BALLS 1.3 sp BK 7/8

**LIQUID/GAS PUMPED AND CAPACITIES IN BBLs.**  
 Tubing Cap.             
 Casing Cap.             
 Annular Cap.             
 Open Hole Cap.             
 Fluid to Load             
 Pad Volume             
 Treating Fluid             
 Flush             
 Overflush             
 Fluid to Recover             
 Total N<sub>2</sub>             
 Total CO<sub>2</sub>           

**PROCEDURE SUMMARY** Drop BALLS in Xcl Flush To Bottom per

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Surface CO <sub>2</sub> BBLs. Pumped		CO <sub>2</sub> Rate BPM	Surface N <sub>2</sub> MSCF Pumped		N <sub>2</sub> Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
6:22	5000			10.5	3.1							PRESSURE TEST
6:25	4000			10.0	3.0							
6:32	1500			12.5	3.1							START BREAKDOWN
6:36	1500			10.0	3.0							SHUT DOWN / COMMENCEMENT
6:54	1000			10.0	3.0							START INFUSION TEST
6:55	500			10.0	3.0							ISDI? IS SUMPST
6:58	1000			30.5	4.0							START BALLS
7:08	1200			37.0	4.0							BALLS ON PERK
7:14	1800			11.5	6.6							SHUT DOWN SAGY BALL
7:21	2200											START RATE TEST

Treating Pressure: Min. 1000 Max. 2200 Avg. 1800 Customer Representative DALE BRITTON  
 Inj. Rate on Treating Fluid 4.0 Rate on Flush 4.0 Western Representative BOB EDWARDS  
 Avg. Inj. Rate 9.0 I.S.D.P. 800 Flush Dens. lb./gal. 8.5 Distribution Big Tank  
 Final Shut-in Pressure            In            Minutes             
 Operator's Maximum Pressure 4000

Job Number



# The Western Company—Treatment Report

Date 9-28-93 District Vermont F. Receipt 211939 Operator Burrows C.L. Co  
 Lease Burrows P.O. Well No. 23-113 #2 Field Munroe R.H. Location Sec 11 T9S R16W  
 County Dumfries State vt Stage Number #2 This Zone ☒ This Well ☒

**WELL DATA** OGD ☐ NGO ☐ NOG ☐ OOD ☐ WOD ☐ IWD ☐ Misc. ☐ Depth TD/PB 5611 Formation Green River  
 Tubing Size - WT. - Set at: - Type Packer - Set At -  
 Casing Size 5.5 WT. 15.5 Set From Surface To 75 Liner Size - WT. -  
 Liner Set From - To - Open Hole: Size - From - To - Casing Perforations: Size 40  
 Holes Per Foot - Intervals 5155 - 5181 34 (Holes)  
 Previous Treatment N/A Prior Production N/A

**TREATMENT DATA** Pad Used: Yes ☒ No ☐ Pad Type Vibro 3-35H  
 Treating Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Treat. Fluid Vol. 14,212 Gal.  
 Base Fluid Type Vibro 3-35H Base Fluid Vol. 16,212 Gal.  
 Foam Qual.: - % Mitchell ☐ Slurry ☒ Surface ☐ Downhole ☐ Total Prop Qty. - Lbs.  
 Prop Type: Sand ☒ WP-1 ☐ WP-3 ☐ Baux. ☐ Other 20/40 16/30  
 Prop Mesh Sizes, Types and Quantities 20/40 38,200 16/30 29,180  
 Hole Loaded With - Treat Via: Tubing ☐ Casing ☒ Anul. ☐ Tubing & Anul. ☐  
 Ball Sealers: - In - Stages of -  
 Types and Number of Pumps Used 2-1300 Tm 1-BL 1300  
 Auxiliary Materials cat. Pac. Cyls 20

## LIQUID/GAS PUMPED AND CAPACITIES IN BBLs

Tubing Cap. -  
 Casing Cap. 1,326  
 Annular Cap. -  
 Open Hole Cap. -  
 Fluid to Load 66  
 Pad Volume 123  
 Treating Fluid 386  
 Flush 121  
 Overflush -  
 Fluid to Recover 507  
 Total N<sub>2</sub> -  
 Total CO<sub>2</sub> -

## PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs Pumped		Slurry Rate BPM	Surface CO <sub>2</sub> BBLs Pumped		CO <sub>2</sub> Rate BPM	Surface N <sub>2</sub> MSCF Pumped		N <sub>2</sub> Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
4:37	-	-	-	-	-	-	-	-	-	-	-	Test Lines @ 400 PSI
4:43	15	-	-	0	17.0	-	-	-	-	-	-	Start Pad
4:48	2090	-	-	123	25.0	-	-	-	-	-	-	Start 20# 24/40
4:49	2110	-	-	135	25.1	-	-	-	-	-	-	Start 20# 24/40
4:50	2130	-	-	158	25.2	-	-	-	-	-	-	Start 40# 25/40
4:51	2220	-	-	216	25.1	-	-	-	-	-	-	Start 50# 25/40
4:53	2090	-	-	277	25.1	-	-	-	-	-	-	Start 60# 25/40
4:55	1690	-	-	325	25.1	-	-	-	-	-	-	Start 60# 16/30
4:57	1660	-	-	386	25.3	-	-	-	-	-	-	Start 70# 16/30
5:00	1670	-	-	507	25.2	-	-	-	-	-	-	Start Flush
5:04	1650	-	-	-	25.2	-	-	-	-	-	-	Shut Down All Flushed
												5 min 1570
												10 min 1460
												15 min 1430

Treating Pressure: Min. 1630 Max. 2250 Avg. 1800 Customer Representative Dale Carlson  
 Inj. Rate on Treating Fluid 25.1 Rate on Flush 25.2 Western Representative R. Burrows  
 Avg. Inj. Rate 25.1 I.S.D.P. 1700 Flush Dens. lb./gal. 84 Distribution Burrows  
 Final Shut-in Pressure 1430 in 15 Minutes  
 Operator's Maximum Pressure 3000 PSI

Job Number - Recommendation ID # -





# The Western Company—Treatment Report

ZONE 2

Date 9-30-93 District VERNA F. Receipt 261954 Operator BALCRON  
 Lease FED Well No. 23-112 Field M. B Location S11-T9S-R16E  
 County Duchess State NY Stage Number 2 This Zone ☒ This Well ☐

**WELL DATA** OGD ☐ NGD ☐ NOD ☐ OOD ☐ WDD ☐ IWD ☐ Misc. ☐ Depth TD/PB 5974 Formation \_\_\_\_\_  
 Tubing Size 2 1/8 WT. 6.5 Set at: \_\_\_\_\_ Type Packer \_\_\_\_\_ Set At 4750  
 Casing Size 5 1/2 WT. 15.5 Set From Surf To TD Liner Size \_\_\_\_\_ Wt. \_\_\_\_\_  
 Liner Set From \_\_\_\_\_ To \_\_\_\_\_ Open Hole: Size \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Casing Perforations: Size 4  
 Holes Per Foot \_\_\_\_\_ Intervals 1962 - 4966 2 Holes  
 Previous Treatment N/A Prior Production N/A

**TREATMENT DATA** Pad Used: Yes ☐ No ☒ Pad Type \_\_\_\_\_  
 Treating Fluid Type: Foam ☐ Water ☒ Acid ☐ Oil ☐ Treat. Fluid Vol. \_\_\_\_\_ Gal.  
 Base Fluid Type 2% KCL Base Fluid Vol. \_\_\_\_\_ Gal.  
 Foam Qual.: \_\_\_\_\_ % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty. \_\_\_\_\_ Lbs.  
 Prop Type: Sand ☐ WP-1 ☐ WP-3 ☐ Baux. ☐ Other \_\_\_\_\_  
 Prop Mesh Sizes, Types and Quantities \_\_\_\_\_  
 Hole Loaded With KCL Treat Via: Tubing ☐ Casing ☐ Anul. ☐ Tubing & Anul. ☐  
 Ball Sealers: 1 12 In 2 6 Stages of 2 2  
 Types and Number of Pumps Used \_\_\_\_\_  
 Auxiliary Materials \_\_\_\_\_

**LIQUID/GAS PUMPED AND CAPACITIES IN BBL'S**

Tubing Cap. 28.6  
 Casing Cap. .9  
 Annular Cap. \_\_\_\_\_  
 Open Hole Cap. \_\_\_\_\_  
 Fluid to Load 7  
 Pad Volume 73.1  
 Treating Fluid Flush 29/28.7  
 Overflush 6  
 Fluid to Recover 80.9  
 Total N<sub>2</sub> \_\_\_\_\_  
 Total CO<sub>2</sub> \_\_\_\_\_

**PROCEDURE SUMMARY**

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBL'S Pumped		Slurry Rate BPM	Surface CO <sub>2</sub> BBL'S Pumped		CO <sub>2</sub> Rate BPM	Surface N <sub>2</sub> MSCF Pumped		N <sub>2</sub> Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
7:43	0				1.1							START H <sub>2</sub> O
7:46	2300			8.1	1.0							START BALLS
7:46	2300			10.1	3.8							START FLUSH
7:54	2600			40.3	1.2							SHUT DOWN ATT FLUSH
				Top = 4840								
				TD 4875								
												6 HOLES
												PACKER = 4830
8:17	0				4.0							START H <sub>2</sub> O
8:20	2400			7	5.4							START BALLS
8:21	2400			11.3	5.2							START FLUSH
8:27	4700			40.3	1.2							370 SURGE BALLS
8:33	2400				1.2							Continue FLUSH
8:34	2400			46.6	6.2							SHUT DOWN ATT FLUSH

Treating Pressure: Min. 2200 / 1400 Max. 2600 / 1400 Avg. 2400 / 1400 Customer Representative GRIFFIN  
 Inj. Rate on Treating Fluid 4.0 / 5.4 Rate on Flush 1.2 / 1.4 Western Representative SEARLE  
 Avg. Inj. Rate 4.1 / 4.7 I.S.D.P. 600 / 600 Flush Dens. lb./gal. 8.4 Distribution \_\_\_\_\_  
 Final Shut-in Pressure \_\_\_\_\_ in \_\_\_\_\_ Minutes  
 Operator's Maximum Pressure 5700

Job Number 144598 Recommendation ID # \_\_\_\_\_





EQUITABLE RESOURCES  
ENERGY COMPANY  
SALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Date of Treatment : 9-30-93

Well Name MONUMENT FED, 23-11J SEC. 11 TWN. 9S RNG. 16E  
Field MONUMENT BUTTE County DUCHESTER State UTAH

Formation/Perforations: GARDEN RIVER  
1<sup>st</sup> BREAK DOWN 4984-4998, 6 HOLES. 12 BALLS BALL OFF  
2<sup>nd</sup> " " 4962-4968, 2 HOLES. 4 " NO BALL OFF  
3<sup>rd</sup> " " 4840-4864, 6 HOLES. 12 " BALL OFF

Treatment type: 2% KCL BREAK DOWN Total Number of Holes: 14  
Treatment Company: WESTERN

			Sand Characteristics	
Volume	Fluid	Conc.	Size	Volume
<u>53</u>	<u>BDL. Gal.</u>	<u>2% KCL WATER</u>		
<u>40</u>	<u>BDL. Gal.</u>	<u>2% KCL WATER</u>		
<u>47</u>	<u>BDL. Gal.</u>	<u>2% KCL WATER</u>		
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#
_____	Gal.	_____	/	#

TOTAL FLUID PUMPED: \_\_\_\_\_ gal. \_\_\_\_\_ % \_\_\_\_\_ Acid fluid  
\_\_\_\_\_ gal. \_\_\_\_\_

TOTAL SAND VOL. : \_\_\_\_\_ lbs. \_\_\_\_\_ / \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ / \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ / \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ / \_\_\_\_\_ bauxite

Flushed well with \_\_\_\_\_ gal. of \_\_\_\_\_  
\_\_\_\_\_ ball sealers were pumped. Was ball action seen? \_\_\_\_\_  
Barrels of Load to Recover \_\_\_\_\_ BLTR.

Avg. Treating Pressure = \_\_\_\_\_ psl, max = \_\_\_\_\_ psl, min = \_\_\_\_\_ psl.  
Avg. Treating Rate = \_\_\_\_\_ bpm, max = \_\_\_\_\_ bpm, min = \_\_\_\_\_ bpm.  
ISIP = \_\_\_\_\_ psl, 5 min. = \_\_\_\_\_ psl, 10 min. = \_\_\_\_\_ psl, 15 min. = \_\_\_\_\_ psl.  
Well will be shut in for \_\_\_\_\_ hrs. before bringing back fluid.

REMARKS: 1<sup>st</sup> Break Down Initial Break at 2.5 BPM, 2500 PSI BACK TO 1700 PSI  
PUMP FOR RATE. 5.5 BPM AT 2000 PSI. ISIP 700 PSI. 2<sup>nd</sup> BREAK DOWN, INITIAL  
BREAK AT 2. BPM 3000 PSI, BACK TO 2000 PSI, PUMP FOR RATE 4.0 BPM AT 2000 PSI.  
ISIP 600. 3<sup>rd</sup> Break Down, INITIAL BREAK AT 4.0 BPM 2000 PSI, BACK TO 1600 PSI, PUMP  
FOR RATE, 1.2 BPM AT 2000 PSI, ISIP 600 PSI

Well site Supervisor: Dale Griffin



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Date of Treatment : 10-1-93

Well Name Monument Red. 2.3-11J SEC. 11 TWN. 9S RNG. 17E  
Field Monument Butte County Duchesne State Utah

Formation/Perforations: GREEN RIVER, 4710-4717 2 SPF

Treatment type: BREAK DOWN Total Number of Holes: 14

Treatment Company: WESTERN

## Sand Characteristics

Volume	Fluid	Conc.	Size	Volume
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	_____	_____
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#
_____	Gal.	_____	1	#

TOTAL FLUID PUMPED: \_\_\_\_\_ gal. \_\_\_\_\_ % \_\_\_\_\_ Acid fluid  
1974 gal. 2% KCH

TOTAL SAND VOL. : \_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ sand  
\_\_\_\_\_ lbs. \_\_\_\_\_ bauxite

Flushed well with \_\_\_\_\_ gal. of 2% KCH WATER  
28 ball sealers were pumped. Was ball action seen? HELLHILL BALL OFF  
Barrels of Load to Recover 47 BLTR.

Avg. Treating Pressure = 2600 psl, max = 4000 psl, min = 1900 psl.  
Avg. Treating Rate = 5.0 bpm, max = 5.2 bpm, min = 4.2 bpm.  
ISIP = 1500 psl, 5 min. = \_\_\_\_\_ psl, 10 min. = \_\_\_\_\_ psl, 15 min. = \_\_\_\_\_ psl.  
Well will be shut in for 60 hrs. before bringing back fluid.

REMARKS: initial Break at 1800 PSI at 2.5 BPM  
Break back to 1800 PSI AT 4.5 BPM

Well site Supervisor: D. M. Strickland



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Well Name Monument Fed. 23-11 J Date of Treatment: 10-1-93  
Field Monument Butte County Duchene SEC. 11 TWN. 9 S RNG. 17 E  
Formation/Perforations: Green River, 4710'-4717' 2 SPF

Treatment type: SAND FRAC STGE # 3 Total Number of Holes: 14  
Treatment Company: WESTERN

## Sand Characteristics

Volume	Fluid	Conc.	Size	Volume
Gal.				
Gal.				
16451 2800 Gal.	2% KCL WATER PAD.		2420 at 19.9	
550 Gal.	"	2	16130	1100 #
600 Gal.	"	3	16130	1800 #
600 Gal.	"	4	16130	2400 #
900 Gal.	"	5	16130	4500 #
1000 Gal.	"	6	16130	6000 #
600 Gal.	"	7	16130	4200 #
Gal.			1	#
16591 END Gal.			1	#

TOTAL FLUID PUMPED: gal. 11634 % 2% KCL WATER Acid fluid

TOTAL SAND VOL.: lbs. 20,000 sand  
lbs. 16130 sand  
lbs. 1 sand  
lbs. 1 sand  
lbs. 1 bauxite

Flushed well with 4704 gal. of 2% KCL WATER  
ball sealers were pumped. Was ball action seen? YES  
Barrels of Load to Recover 277 RITR.  
Avg. Treating Pressure = 21.1 psi, max = 21.1 psi, min = 19.4 psi.  
Avg. Treating Rate = 19.5 bpm, max = 21.1 bpm, min = 19.4 bpm.  
ISIP = 2000 psi, 5 min. = 1690 psi, 10 min. = 1590 psi, 15 min. = 1530 psi.  
Well will be shut in for 60 hrs. before bringing back fluid.

REMARKS: ALL SAND WAS PUMPED AND WELL WAS FLUSHED WITH 4704 GALS OF 2% KCL WATER



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017

# TREATMENT REPORT

Date of Treatment: 10-1-93

Well Name Monument Fed. 23-11J

SEC. 11 TWN. 9S RNG. 17E

Field Monument Butte County Duchenne State Utah

Formation/Perforations: GREEN RIVER

4940, 44, 48, 50, 58, 64 1-HOLE @

4962, 4968 1-HOLE @

4984, 88, 92, 94, 96, 98 1-HOLE @

Treatment type: SAND FRAC SIZE # 2 Total Number of Holes: 14

Treatment Company: WESTERN

## Sand Characteristics

Volume	Fluid	Conc.	Size	Volume
Gal.				
Gal.				
1028; 7000	Gal. 2% KCL WATER	0	PAD	3,000 PSI AT 19 BPM
600	Gal. " "	2	20/40	1200 #
1000	Gal. " "	3	20/40	3000 #
1000	Gal. " "	4	20/40	4000 #
1500	Gal. " "	5	20/40	7500 #
2500	Gal. " "	6	20/40	15000 #
2000	Gal. " "	6	16/30	12000 #
2500	Gal. " "	7	16/30	17500 #
4830	Gal. 2% KCL WATER	0	FLUSH	0 #

1054; END

TOTAL FLUID PUMPED: 23604 gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 30700 lbs. 20/40 sand  
29500 lbs. 16/30 sand  
 lbs. 1 sand  
 lbs. 1 bauxite

Flushed well with 4830 gal. of 2% KCL WATER  
 ball sealers were pumped. Was ball action seen? BTJR

Barrels of Load to Recover 562

Avg. Treating Pressure = 2200 psl, max = 3000 psl, min = 1800 psl.

Avg. Treating Rate = 25 bpm, max = 35 bpm, min = 1900 bpm.

ISIP = 1600 psl, 5 min. =          psl, 10 min. =          psl, 15 min. =          psl.

Well will be shut in for 60 hrs. before bringing back fluid.

REMARKS:

Well site Supervisor: Frank Smith

Page 1 of 2

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 10/5/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\*****BALCRON MONUMENT FEDERAL #14-5J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 5, T9S, R17E

Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

PTD: 5,700' Green River Oil - Dev.

---TIGHT HOLE---

10-5-93 TD: 1,735' (1,256') Day 2  
Formation: Green River  
MW water  
Present Operation: Drilling  
Drill, survey, & rig service.  
DC: \$24,880 CC: \$55,774

**BALCRON MONUMENT FEDERAL #14-11**

Operator: Balcron/EREC

BOD WI: 100%

Location: SW SW Section 11, T9S, R16E

Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-4-93 Completion  
MIRU Cannon Well Service Rig #1. RU tanks & pump. Fill frac  
tanks.  
DC: \$13,927

**BALCRON MONUMENT FEDERAL #23-11**

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 11, T9S, R16E

Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-4-93 Completion  
Csg vac. TIH w/BP retrieving tool & tbg. Tag sand fill @ 4630' KB.  
Circ sand out to 4750' (BP), release BP & TOOH w/tbg & BP. TIH  
w/BP retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" packer, SN & 2-7/8"  
tbg, tag sand fill at 4900' KB, circ sand out to 503=26', set  
packer @ 4656'. Made 6 swab runs, recovered 30 BW, trace of oil.  
SWIFN.  
DC: \$7,435

**RECEIVED**  
OCT 05 1993

DIVISION OF  
OIL, GAS & MINING

BALCRON MONUMENT FEDERAL #14-11J

Operator: Balcron/EREC

BOD WI: 100%

Location: SW SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-6-93 Completion

CP - 15 psi. RU Western to frac 5553'-56' KB. Pressure test surface equipment to 4000 psi - OK. Refer to Treatment Report 1st Stage attached. Break @ 3000 psi .5 BPM, back to 2800 psi @ 5.0 BPM. Start pad, cross link quit, shut down. Start pumping, 3000 psi @ 0.2 BPM, shut down, call for 500 gals 15% HCL. Start acid, balance acid 500' above perforations. TOOH w/tbg, RU to break down w/acid & frac. Refer to Treatment Report. RU Cutter Wireline to set RBP @ 5210' KB & perforate 5175'-88' 2 SPF (26 holes). RD Cutters. TIH w/5-1/2" packer, SN & 2-7/8" tbg, set packer @ 5122'. SWIFN. Load to recover 486 BW.  
DC: \$23,686

BALCRON MONUMENT FEDERAL #23-11J

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-6-93 Completion

Csg - vac. TIH, tag sand @ 4995' KB, circ clean to BP @ 5045' KB, retrieve BP, TOH w/tbg & BP. TIH w/the following:

	Length	Landed at KB
1 jt 2-7/8" tbg EUE, J-55, 8RD, 6.5#	31.85'	5296.20' KB
one 2-7/8" x 3' perf sub	3.05'	5264.35' KB
one seat nipple	1.15'	5261.30' KB
168 jts 2-7/8" tbg EUE, J-55, 8RD 6.5#	5250.15'	5260.15' KB.

ND BOP, NU wellhead. TIH w/the following:  
BHP, 2-1/2" x 1-1/2" x 16' RHAC w/RA plunger  
209 3/4" x 25' rods plain  
one 3/4" x 8' pony  
one 3/4" x 6' pony  
one 3/4" x 2' pony  
one 1-1/4" x 16' polish rods SM

Pressure test tbg to 500 psi - OK. RDMO

DC: \$7,118

**Balcron Oil**  
**DAILY OPERATING REPORT**

DATE: 10/25/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***

**BALCRON MONUMENT FEDERAL #14-5J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 5, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

10-22-93 Completion

CP - 900 psi. Flow back 40 BW. TIH w/1 jt 2-7/8" tbg, packer, SN, & 178 jts tbg. Tag sand fill @ 5480' KB, circ sand out to 5652', set packer @ 5410' KB. Made 22 swab runs. Recovered 100 BW. Last 5 runs 20% oil, still getting sand back. SWIFN. Load to recover 445 BW.

DC: \$1,834

**BALCRON MONUMENT FEDERAL #23-11**

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-22-93 Completion

Change vent system on production tanks.

DC: \$595

**BALCRON MONUMENT FEDERAL #41-15J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NE Section 15, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-22-93 Completion

TIH w/1 BHP 2-1/2" x 1-1/2" x 16' RWAC w/PA plunger; 222 3/4" x 25' plain rods; two 3/4" x 8' ponys; one 1-1/4" x 16' polish rod. RDMO. Load to recover 787 BW.

DC: \$6,940

**BALCRON MONUMENT FEDERAL #32-15**

Operator: Balcron/EREC

BOD WI: 79.78%

Location: SW NE Section 15, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-22-93 Completion

MIRU Cannon Well Service Rig #1. RU Schlumberger to run CBL. RD Schlumberger.

DC: \$1,334

Page 1 of 2

# Balcron Oil

## DAILY OPERATING REPORT

DATE: 10/26/93

**\*\*JONAH UNIT PARTNERS' DAILY REPORT\*\***BALCRON MONUMENT FEDERAL #14-5J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW SW Section 5, T9S, R17E  
Duchesne County, Utah

Prospect: Jonah Unit/Monument Butte

---TIGHT HOLE---

10-25-93 Completion

CP - 0, TP - 350 psi. Flow 15 BO. Made 5 swab runs, recovered 40 BF, 35 oil, 5 wtr, & no sand. Release packer, tag sand fill @ 5630' KB. Circ clean to 5652' (PBTD), TOOH w/tbg, SN, packer & 1 jt tbg. SWIFN.  
DC: \$2,411

BALCRON MONUMENT FEDERAL #23-11

Operator: Balcron/EREC

BOD WI: 79.78%

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

10-25-93 Completion

Hook up frac tank for temp production tank.  
DC: \$1,255

BALCRON MONUMENT FEDERAL #32-15

Operator: Balcron/EREC

BOD WI: 79.78%

Location: SW NE Section 15, T9S, R16E  
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

10-25-93 Completion

TIH w/4-3/4" bit, csg scraper & 180 jts 2-7/8" tbg. Tag PBTD @ 556' KB, circ hole clean w/120 bbls 2% KCL wtr. TOOH w/tbg scraper & bit. Pressure csg & BOP 100 psi - OK. RU Schlumberger to perf 5496'-98' (2 SPF). RD Schlumberger. TIH w/1 jt 2-7/8" tbg, packer, SN & 175 jts tbg, set packer @ 5431' KB. EOT @ 5466' KB. RU Dowell to do acid breakdown - refer to treatment report attached. Pressure test surface equipment to 4850 psi - OK. Spot acid at perfs, could not breakdown w/4450 psi, packer failed, TOOH w/tbg & packer, TIH w/new packer & tbg, set packer @ 4691', pressure to 4025' psi for 10 min, no break, packer failed. POOH 8 stds. SWIFN.  
DC: \$33,153





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

**CONFIDENTIAL**

October 22, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Enclosed is our Report of First Production for the referenced well.

Please feel free to contact me if you need any additional information.

Sincerely,

*Molly Conrad*

Molly M. Conrad  
Operations Secretary

/mc

cc: State of Utah - Division of Oil, Gas, & Mining

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #23-11

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 11, T9S, R16E

1787' FSL, 2147' FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Report of 1st Production  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

First production on this well was at 11:30 a.m. on 10-21-93.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs

Date 10-21-93

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 11, T9S, R16E  
1787' FSL, 2147' FWL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Fed. #23-11

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security Diagram  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the Site Security Diagram for this well.

**CONFIDENTIAL**  
NOV 12 1993

**DIVISION OF  
OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman  
Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date 11-8-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 23-11 Production Facility Diagram

Balcron Monument Federal 23-11  
NE SW Sec. 11, T9S, R16E  
Duchesne County, Utah  
Federal Lease #U-096550  
1787' FSL, 2147' FWL

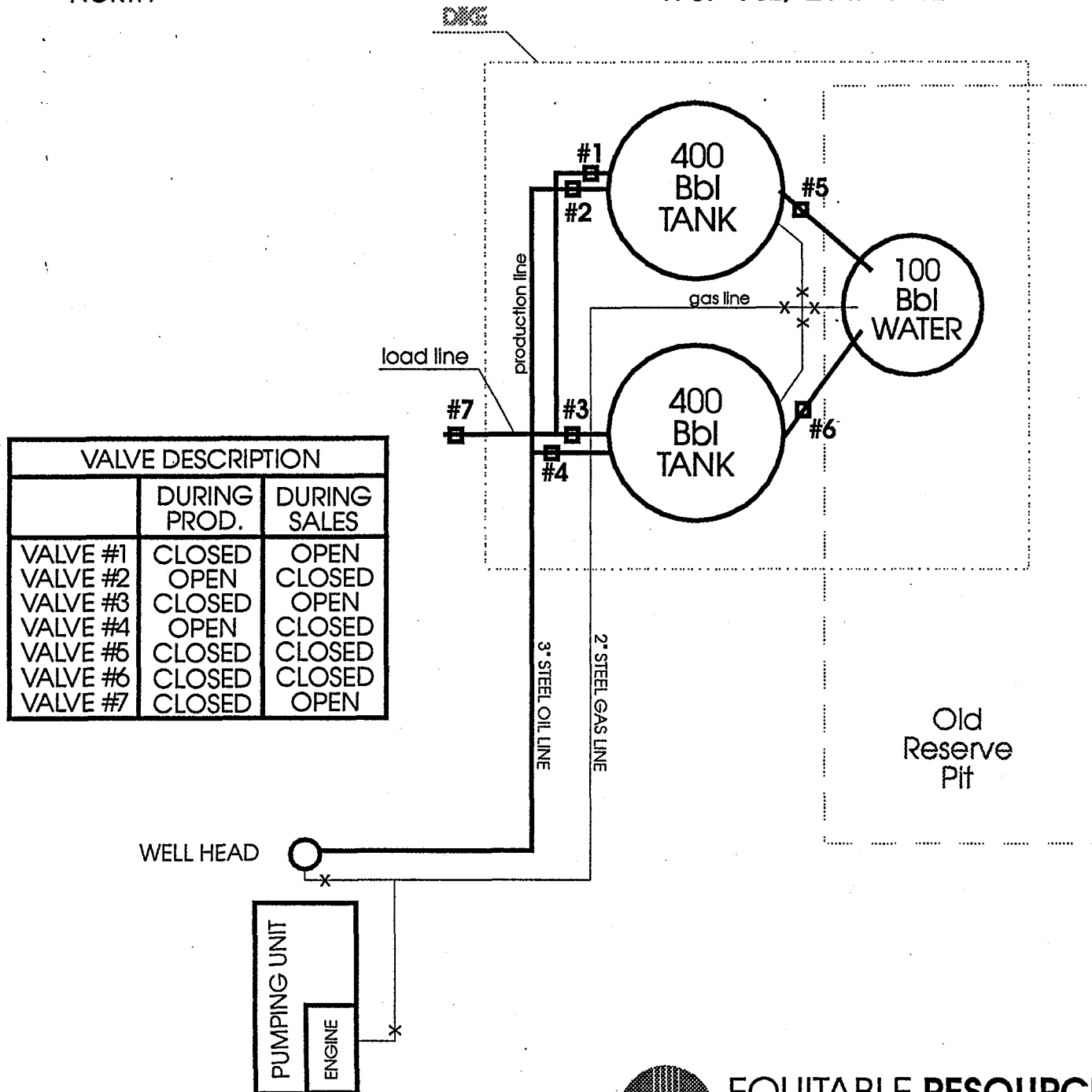
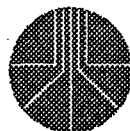


DIAGRAM NOT TO SCALE



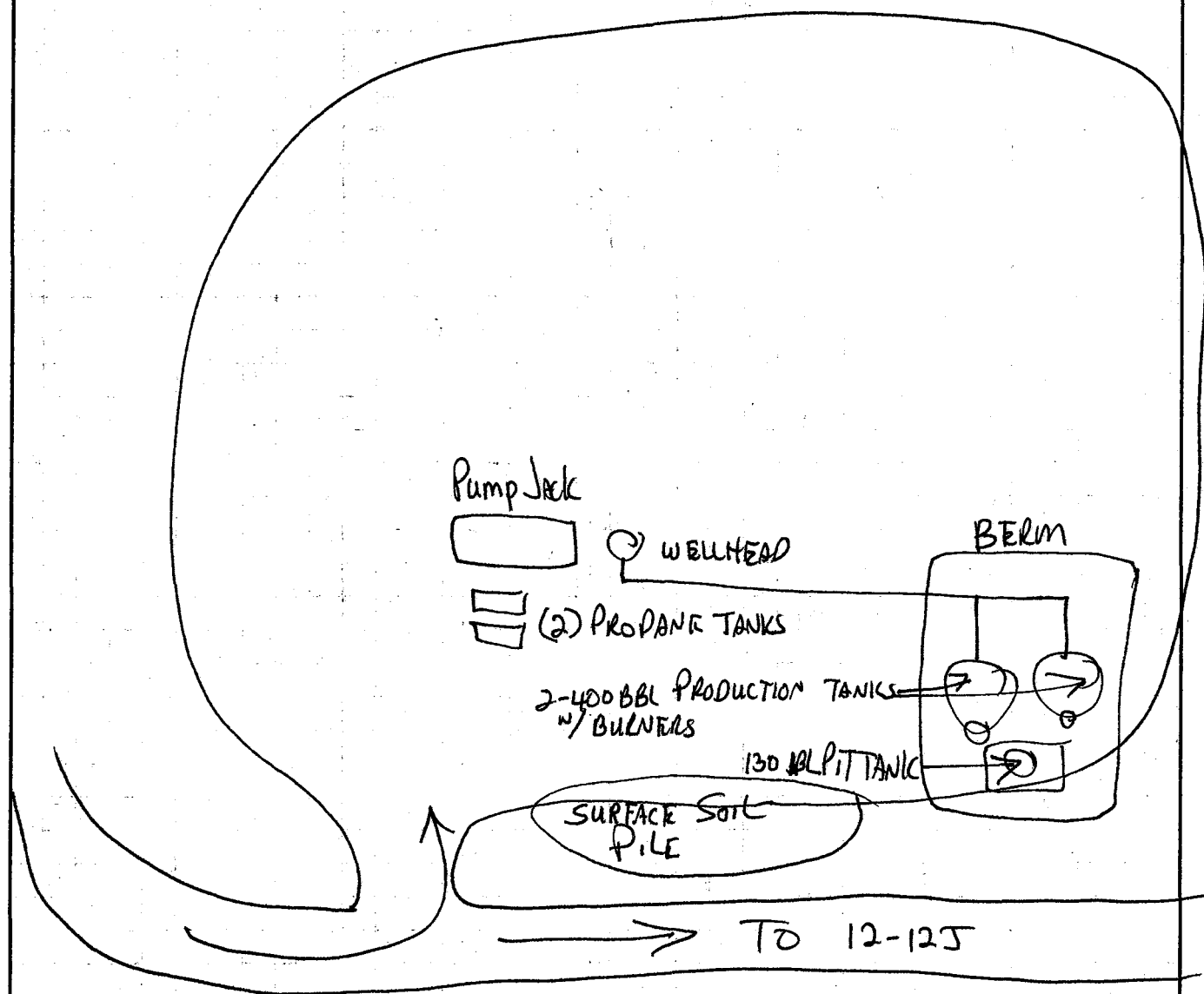
**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

↑  
NORTH

BALCON MONUMENT FED # 23-11  
SEC 11 T9S R16E 43-013-31369

POW



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 11, T9S, R16E 1787' FSL, 2147' FWL

5. Lease Designation and Serial No.

U-17985

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #23-11

9. API Well No.

43-C13-31369

10. Field and Pool, or Exploratory Area

Monument Butte/ Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other NIL2B

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This sundry notice is to be considered as our NIL2B (Disposition of Produced Water) for this well.

Any water produced by this well will be held in a produced water tank and then hauled to a commercial disposal facility. See Site Security Diagram for location of water tank.

RECEIVED

NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Coordinator of Environmental and  
Regulatory Affairs

Signed

Bobbie Schuman

Title

Date 11-8-93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

# REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Monument Federal #23-11  
API number: 43-013-31369
2. Well location: QQ NE SW section 11 township 9S range 16E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division  
Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Union Drilling  
Address: Drawer 40 phone: (304) 472-4610  
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No water encountered.	

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NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

6. Formation tops: See Geologic Report.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman  
Title Coordinator of Environmental and Date 11-8-93  
Regulatory Affairs

Comments:



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

November 9, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

RECEIVED

NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

Gentlemen:

RE: Balcron Monument Federal #23-11  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

Enclosed are the following items for the referenced well:

Well Completion Report  
Site Security Diagram (Sundry Notice)  
NTL2B Disposition of Produced Water (Sundry Notice)

Sincerely,

*Molly Conrad*

Molly Conrad  
Operations Secretary

/mc

Enclosures

cc: Utah Division of Oil, Gas and Mining: Also  
enclosed is the Report of Water Encountered (Utah  
Form 7)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcron Oil Division						<b>CONFIDENTIAL</b>	
3. ADDRESS OF OPERATOR P.O. Box 21017, Billings, MT 59104 (406) 259-7860							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1787' FSL, 2147' FWL  At top prod. interval reported below  At total depth							
14. PERMIT NO.		43-013-31369		DATE ISSUED 9-21-92		5. LEASE DESIGNATION AND SERIAL NO. U-17985 U-096556	
15. DATE SPUDDED 8-30-93		16. DATE T.D. REACHED 9-23-93		17. DATE COMPL. (Ready to prod.) 10-21-93		6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5622' GL		19. ELEV. CASINGHEAD		7. UNIT AGREEMENT NAME Jonah Unit		8. FARM OR LEASE NAME Balcron Monument Federal	
20. TOTAL DEPTH, MD & TVD 5750'		21. PLUG BACK T.D., MD & TVD 5671'		22. IF MULTIPLE COMPL., HOW MANY* n/a		9. WELL NO. #23-11	
23. INTERVALS DRILLED BY ROTARY TOOLS Sfc - TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5155'-5162' 4710'-4717' 4962'-4998' 5171'-5181' 4840'-4864' Green River		25. WAS DIRECTIONAL SURVEY MADE No		10. FIELD AND POOL, OR WILDCAT Monument Butte/ Green River	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL - BDC - CNL - GR CBL/GA/CIL, mud log 9-28-93		27. WAS WELL CORED No		12. COUNTY OR PARISH Duchesne		13. STATE UTAH	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24#		277		12-1/4"	
5-1/2"		15.5#		5730'		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
n/a							
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		5296'		n/a			
31. PERFORATION RECORD (Interval, size and number)							
5155'-5162' (2 SPF) 4710'-4717' (2 SPF) 5171'-5181' (2 SPF) 4840', 4844', 4848', 4850', 4858', 4864', 4962' 4968', 4984', 4992', 4994', 4996, 4998' (all 1 hole per station)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				5155'-5181'		28,200# 20/40 sand & 29,180# sand w/252 bbls 2% KCL water.	
				4840' - 4998'		30,700# 20/40 sand & 29,500# 16/30 sand w/562 bbls gelled 2% KCL water.	
33. PRODUCTION							
DATE FIRST PRODUCTION 10-21-93		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump - 1-1/2" Insert Pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 10-25-93		HOURS TESTED 24		CHOKE SIZE n/a		PROD'N. FOR TEST PERIOD OIL—BBL. 110 GAS—MCF. 165 WATER—BBL. 20 GAS-OIL RATIO 1500	
FLOW. TUBING PRESS. n/a		CASINO PRESSURE n/a		CALCULATED 24-HOUR RATE OIL—BBL. 110 GAS—MCF. 165 WATER—BBL. 20 OIL GRAVITY-API (CORR.) 34			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.						TEST WITNESSED BY Dale Griffin	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Bobbie Schuman</u>		TITLE <u>Coordinator of Environmental and Regulatory Affairs</u>				DATE <u>11-6-93</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

38.

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
See Geologic Report.		

No DST's run.

See Geologic Report.

DIVISION OF  
OIL, GAS & MINING

NOV 12 1993

**NEGATIVE**



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

November 30, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

As requested, enclosed are sundry notices which are being resubmitted to comply with Onshore Order #7 which covers disposition of produced waters. These are being resubmitted for the following wells:

Balcron Monument Federal #32-11  
Balcron Monument Federal #22-5  
Balcron Monument Federal #13-5  
Balcron Federal #41-21Y  
Balcron Federal #21-13Y  
Balcron Federal #21-9Y  
Balcron Monument Federal #23-5  
Balcron Monument Federal #23-11  
Balcron Federal #22-10Y  
Balcron Federal #44-14Y  
Balcron Federal #24-3Y

These are to replace the sundry notices which were filed as NTL2B.

Also enclosed for your information is a copy of the State approval of the primary facility at which we dispose of our produced water.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

RECEIVED

DEC 01 1993

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DIVISION OF OIL, GAS & MINING

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
U-096550  
6. If Indian, Allottee or Tribe Name  
n/a  
7. If Unit or CA, Agreement Designation  
Jonah Unit  
8. Well Name and No.  
Balcron Monument Fed. #23-11  
9. API Well No.  
43-013-31369  
10. Field and Pool, or Exploratory Area  
Monument Butte/Grn.River  
11. County or Parish, State  
Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other  
2. Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division  
3. Address and Telephone No.  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860  
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 11, T9S, R16E  
1787' FSL, 2147' FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location from the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct  
Signed Sophie Schuman Title Coordinator of Environmental and Regulatory Affairs Date November 30, 1993  
(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any: Federal Approval of this Action is Necessary

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Date: 12-3-93  
By: [Signature]

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-11

43-013-31369

Location: NE SW Section 11, T9S, R16E  
 Duchesne County, Utah  
 2100' FWL, 1980' FSL  
 PTD: 5,750' Formation: Green River  
 Monument Butte Prospect  
 Elevations: 5,622' GL  
 Contractor: Union Drilling Rig #17  
 Operator: Balcron/EREC

FEB 17 1994

Spud: 8/30/93 - Leon Ross  
 Casing: 8-5/8" @ 877' Union KB  
 5-1/2" @ 5730.67'  
 Tubing: 2-7/8" @ 5296.20' KB

**CONFIDENTIAL**

8-25-93 Start location.

8-26-93 Work on location.

8-27-93 Finish location.

8-30-93 Move on Ross air rig. Spud 12:30 8-30-93. Drill 12-1/4" hole to 268'.

8-31-93 Pull drill collars out of hole & run 6 jts 8-5/8" csg. Dowel cmt well. Plug down & 2 pm.m 8-31-93.  
 Csg detail as follows:  
 Guide shoe - .70; 1 jt 8-5/8" 24# shoe jt - 44'; insert float; 5 jts 8-5/8" 24# csg - 225.31'; 3 centralizers; Csg landed @ Union KB 277'. Dowell cmt w/150 sxs Class "G" w/2% CCL + 1/4#/sx Celloflakes. Good circ approximately 6 bbls cmt return.  
 DC: \$11,239 CC: \$11,239

9-13-93 TD: 451' (174') Day 1  
 Formation: Uintah  
 MW 8.3 VIS 27 pH 10.5  
 Present Operation: Drilling  
 MIRU. Test BOP & manifold to 2000# - OK. Test surface pipe to 1500# - OK. PU collars & drill cmt, drill & survey.  
 DC: \$12,527 CC: \$23,776

9-15-93 TD: 476' (0') Day 3  
 Formation: Uintah  
 Present Operation: WO repairs.  
 DC: \$972 CC: \$25,414

9-16-93 TD: 476' (0') Day 4  
 Formation: Uintah  
 Present Operation: Repair rig.  
 DC: \$400 CC: \$25,814

9-17-93 TD: 1,825' (1,349') Day 5  
 Formation: Green River  
 MW 8.3 VIS 27 pH 11  
 Present Operation: Drilling  
 Repair rig, drill, survey, & clean on rig.  
 DC: \$19,986 CC: \$42,800

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

9-18-93 TD: 3,118' (1,293') Day 6  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, & clean on rig.  
DC: \$16,322 CC: \$59,122

9-19-93 TD: 3,956' (838') Day 7  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Drilling  
Drill, survey, change airhead rubber.  
DC: \$10,931 CC: \$70,053

9-20-93 TD: 4,940' (984') Day 8  
Formation: Green River  
MW 8.4 VIS 27 Ph 10.5  
Present Operation: Drilling  
Drill, survey & clean on rig.  
DC: \$15,461 CC: \$85,514

9-21-93 TD: 5,507' (567') Day 9  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: Trip Out.  
Drill, survey, blow hole, circ w/fluid. Start trip out for bit.  
DC: \$8,005 CC: \$93,519

9-22-93 TD: 5,750' (243') Day 10  
Formation: Green River  
MW 8.4 VIS 27 pH 10.5  
Present Operation: RU loggers.  
Trip for bit, drill, circ for logs, survey & TOH.  
DC: \$5,175 CC: \$98,694

9-23-93 TD: 5,750' (0') Day 11  
Formation: Green River  
Present Operation: RDMO  
Log well, had to run Density log over. TIH & circ, LD drill pipe & collars. Run 5-1/2" csg & cmt. ND, set slips & clean mud tanks. Plug down @ 2:30 a.m. 9-23-93. Rig released @ 6 a.m. 9-23-93.  
DC: \$63,363 CC: \$162,057  
Csg: Guide shoe .75'; 1 jt 15.50 shoe jt - 44.19'; float collar - 2.65'; 135 jt 5-1/2" 15.5# K-55 - 5174.08'; landing jt - 9'; Csg set @ 5730.67'. PBSD - 5683.08'. 20 centralizers. Cmt'd by Halliburton w/90 sxs hifill & tail w/350 sxs 50-50. Plug down @ 2:30 a.m. 9-23-93.

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

- 9-27-93 Completion  
MIRU, TIH w/4-3/4" drag bit, 5-1/2" scraper & 182 jts 2-7/8" EUE, J-55 tbg. Tag PBD @ 5671' KB. Circ hole clean w/2% KCL wtr, TOOH w/tbg & tools. RU Schlumberger to perf 5155'-5162', 5171'-5181' KB 2 SPF. RD Schlumberger. TIH w/5-1/2" BP, 5-1/2" packer & 165 jts 2-7/8" tbg, set BP @ 5204' KB, set packer @ 5167' KB. RU Western to break down pressure test surface equipment to 5000 psig - OK. Start break down, initial 1600 psi, back to 800 psi, 2 BPM. Communicated between perfs, reset packer @ 5122' KB. Start break down initial break 1000 psi, back to 800 psi, 2.5 BPM. No ball off, ISIP - 800 psi. Pump for rate 6.6 BPM @ 2200 psi, ISIP 800. SDFN. Load to recover 124 BW. See treatment report attached.  
DC: \$18,068
- 9-28-93 Completion  
Csg vac, tbg vac. TOOH w/tbg & packer. RU Western to frac. Pressure test surface equipment to 4000 psi - OK. Load hole 66 bbls, fluid level. Frac well using 28,200# 20-40 sand & 29,180# 16-30 sand. Average treating rate 25.1 BPM, average treating pressure - 1800 psi. See treatment report attached.  
DC: \$22,368
- 9-29-93 Completion  
Csg - vac psig. TIH w/BP retrieving head, 1 jt 2-7/8" tbg, packer, SN & 162 jts 2-7/8" tbg. Tag sand fill @ 5095' KB. Circ sand out of BP, set packer @ 5095' KB. Made 22 swab runs, recovered 79 BF, 1 all, 78 water. Last 3 runs stable @ 5050, oil trace. SWIFN. Load to recover 542 BW.  
DC: \$19,679
- 9-30-93 Completion  
CP - 0, Tbg vac psig. Tag fluid @ 2300'. Made 9 swab runs, 40 BF, recovered 2% oil average. TIH, tag sand fill @ 5158' KB, clean to BP @ 5204'. Release BP, TOOH w/tbg, SN, packer & BP. RU Schlumberger to perf 4840, 44, 48, 50, 58, 64, 4962, 68, 4984, 88, 92, 94, 96, 98 1 hole @ station. RD Schlumberger, TIH w/RBP, set BP @ 5025' KB, set packer @ 4976' KB. RU Western to do break down. Pressure test surface equipment to 5400 psi - OK. Start break down initial break to 2500 psi, back to 1700' @ 2.5 BPM. Start 2 balls per bbl, ball off, pump for rate 5.5 BPM @ 2000 psi. ISIP 700 psi, release packer, wash balls off BP, release BP, reset BP @ 4976', set packer @ 4900. Start break down, initial break @ 2.0 BPM, 3000 psi, back to 2000 psi, pump 4 balls, no ball off. Pump for rate 4.0 BPM 2000 psi. ISIP 600 psi, reset BP @ 4900', set packer @ 4820'. Start break down, initial break @ 4.0 BPM @ 3000 psi. Back to 1600 psi, pump for rate 6.2 BPM @ 2000, RD Western. SWIFN. Load to recover 640 BW.  
DC: \$22,900

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

## 10-1-93 Completion

TIH to BP, circ balls off BP. Release BP, reset BP, set packer & pressure test to 3000 psi 10 min - ok. TOOH w/tbg, SN, 5-1/2" packer, 1 jt tbg, & BP retrieving head. RU Western to frac stage #2. See Treatment Report attached. Pressure test surface equipment to 4200 psig - ok. RU Cutter to set RBP @ 4750' KB, & perf 4710-17' 2 SPF. RD Cutter Wireline. TIH w/5-1/2" packer, SN, & 150 jts 2-7/8" tbg, set packer @ 4687' KB. RU Western to do breakdown on 4710-4717'. Pressure test surface equipment to 4800 psi - ok. Refer to Treatment Report. Initial Break @ 1800 psi at 2.5 BPM, back o 1800 psi @ 4.5 BPM. TOOH w/tbg & packer. RU Western to frac 4710-17'. Pressure test surface equipment to 4000 psi - ok. Refer to Treatment Report. SWIFN. Load to recover 1418 BW.

DC: \$10,020

## 10-2/3-93 Well SI.

## 10-4-93 Completion

Csg vac. TIH w/BP retrieving tool & tbg. Tag sand fill @ 4630' KB. Circ sand out to 4750' (BP), release BP & TOOH w/tbg & BP. TIH w/BP retrieving tool, 1 jt 2-7/8" tbg, 5-1/2" packer, SN & 2-7/8" tbg, tag sand fill at 4900' KB, circ sand out to 503=26', set packer @ 4656'. Made 6 swab runs, recovered 30 BW, trace of oil. SWIFN.

DC: \$7,435

## 10-5-93 Completion

CP - 0, TP - 0. Fluid level @ 1200' F.S. Made 25 swab runs, 1st five runs 50% oil. Last 4 runs 10% oil, no sand, fluid level stable @ 2300'. Fluid recovered 120 bbls, wtr recovered 100 bbls. TIH, tag sand fill @ 4995', could not circ down. TOOH w/tbg & packer, LD packer, TIH w/BP retrieving tool & tbg to 4687'. SWIFN.

DC: \$3,300

## 10-6-93 Completion

Csg - vac. TIH, tag sand @ 4995' KB, circ clean to BP @ 5045' KB, retrieve BP, TOH w/tbg & BP. TIH w/the following:

	<u>Length</u>	<u>Landed at KB</u>
1 jt 2-7/8" tbg EUE, J-55, 8RD, 6.5#	31.85'	5296.20' KB
one 2-7/8" x 3' perf sub	3.05'	5264.35' KB
one seat nipple	1.15'	5261.30' KB
168 jts 2-7/8" tbg EUE, J-55, 8RD 6.5#	5250.15'	5260.15' KB.

ND BOP, NU wellhead. TIH w/the following:

BHP, 2-1/2" x 1-1/2" x 16' RHAC w/RA plunger

209 3/4" x 25' rods plain

one 3/4" x 8' pony

one 3/4" x 6' pony

one 3/4" x 2' pony

one 1-1/4" x 16' polish rods SM

Pressure test tbg to 500 psi - OK. RDMO

DC: \$7,118



DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #23-11

Location: NE SW Section 11, T9S, R16E  
Duchesne County, Utah

---TIGHT HOLE---

- 10-21-93 Completion  
Started pumping @ 11:30 a.m. 5 SPM, 64" stroke. Date of first  
production 10-21-93.
- 10-22-93 Completion  
Change vent system on production tanks.  
DC: \$595
- 10-25-93 Completion  
Hook up frac tank for temp production tank.  
DC: \$1,255

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ZONE	LEASE NO.	API NUMBER	FOOTAGES	UNIT
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Jonah
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	Green River	U-017985	43-013-31416	592' FSL, 1979.2' FEL	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	Green River	U-035521	43-013-31419	1804.8' FNL, 2138.6' FEL	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Jonah
Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Jonah
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Jonah
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	Green River	U-096547	43-013-31421	517.8' FNL, 1850.2' FWL	Jonah
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31002	2126.9' FSL, 692.8' FEL	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31003	537' FSL, 2092' FEL	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	Green River	U-096550	43-013-31408	363.3' FNL, 600' FEL	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	Green River	U-096550	43-013-31410	738.6' FNL, 648.2' FWL	Jonah
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	Green River	U-44426	43-013-31415	859' FSL, 338' FEL	Jonah

RECEIVED  
AUG - 3 1994  
DIV. OF OIL, GAS & MINING

Well name and number: Balcron Monument Federal #23-11J

Field or Unit name: Monument Butte Field/Jonah Unit Lease no. U-096550

Well location: QQ NE SW section 11 township 9S range 16E county Duchesne

Date of test: \_\_\_\_\_  
API number: 43-013- 31369

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

(3/89)

INJECTION PERMIT TRACKING RECORD

Company: Equi-H Well: 23-11 J  
Location: Sec. 11 Twn: 9S Rng: 16E QtQt: NESW  
County: Dubuque Field: M.B Unit: Trin  
API No.: 43-013 - 31369  
Date Received: 8/3/94  
Cause Number: \_\_\_\_\_  
Notice Date: \_\_\_\_\_  
Conversion Approval: \_\_\_\_\_  
Permit Issued: \_\_\_\_\_  
Commencement: \_\_\_\_\_  
Drilled: Y  
Code: E  
Hearing Date: \_\_\_\_\_  
Wells In AOR: \_\_\_\_\_



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 1, 1994

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-152

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement  
Administrative Secretary

Enclosure  
WOI168





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 1, 1994

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-152

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa D. Clement  
Administrative Secretary

Enclosure  
WOI168



Equitable Resources Energy Company  
44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J,  
C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells  
Cause No. UIC-152

Publication Notices were sent to the following:

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110


Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Dan Jackson  
U.S. Environmental Protection Agency  
Region VIII  
999 18th Street  
Denver, Colorado 80202-2466

Ed Bonner  
State Lands and Forestry  
3 Triad Center, Suite 400  
Salt Lake City, Utah 84180-1204

  
\_\_\_\_\_  
Lisa D. Clement  
Administrative Secretary  
September 1, 1994

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF EQUITABLE RESOURCES ENERGY	:	
COMPANY FOR ADMINISTRATIVE	:	CAUSE NO. UIC-152
APPROVAL TO CONVERT THE 44-1J, 34-10J,	:	
34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J,	:	
14-12J, 32-12J, C & O GOVERNMENT #4,	:	
21-14J, 41-14J, 23-15J, 32-15J, AND 41-15J WELLS,	:	
LOCATED IN SECTIONS 1, 10, 11, 12, 14, & 15,	:	
TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M.,	:	
DUCHESNE COUNTY, UTAH, TO CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

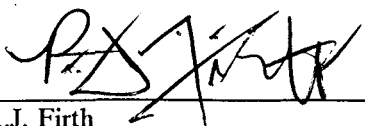
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company ("Equitable") for administrative approval to convert the 44-1J, 34-10J, 34-11, 12-11J, 14-11J, 23-11J, 32-11J, 43-11J, 12-12J, 14-12J, 32-12J, C & O Government #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells, located in Sections 1, 10, 11, 12, 14 & 15, Township 9 South, Range 16 East, Duchesne County, Utah, to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells in the Green River Formation interval at approximately 4590 - 5614 feet, for the purpose of secondary recovery operations. Equitable is requesting a maximum injection pressure of 2000 psig and estimates the injection volume to be approximately 600 barrels of water per day for each well.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached listing

5. Lease Designation and Serial No.

See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached listing

9. API Well No.

See attached listing

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator intends to convert the wells on the attached listing to water injection in accordance with the attached injection well completion diagrams. Water will be injected at a rate of 5-6 STBWPDP per foot of pay (average 180-200 STBWPDP). The proposed conversion and water injection will commence as soon as Utah State UIC permits are approved.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date 9-12-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

BALCRON MONUMENT FEDERAL #23-11J  
Jonah Unit/Monument Butte Field  
Lease No. U096550  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

BALCRON OIL  
8-1-94/ks

Proposed Injection Well Completion Diagram

154

Elev. Gr @ 5621'  
Elev. KB @ 5631' (10' KB)

SURFACE CASING

8-5/8", 24#, J-55  
Length @ 270.01'  
Hole size @ 12-1/4"  
Depth landed @ 277' KB  
Cemented w/150 sxs Class "G" w/2% CCL  
& 1/4#/sx Celoflake. Good returns

PRODUCTION CASING

5-1/2", 15.5#, K-55  
Length @ 5740.67'  
Hole size @ 7-7/8"  
Depth landed @ 5730.67' KB  
Cemented w/90 sxs Hifill & tail  
w/350 sxs 50-50 POZ.  
TOC @ 2510' from CBL

TUBING

2-7/8", 6.5#, J-55  
SN @ 2-7/8" x 1.15' (2.25" ID)  
SN landed @ 4641' KB

Retrievable Csg Tension Packer  
Model: Arrow Set-1  
Landed @ 4645' KB

Proposed Injection Horizons

4710'-4717' (7')	(2 SPF)	RED 1
4836'-4844' (8')	(2 SPF)	RED 5
4848'-4850' (2')	(2 SPF)	RED 5
4858'-4864' (6')	(2 SPF)	RED 5
4962'-4968' (6')	(2 SPF)	GREEN 1
4984'-4989' (5')	(2 SPF)	GREEN 1
4992'-4998' (6')	(2 SPF)	GREEN 1
5155'-5162' (7')	(2 SPF)	GREEN 4
5171'-5181' (10')	(2 SPF)	GREEN 4

← 277' KB

--- Uintah Formation @ Surface to 1400' ---

← Top of Cement @ 2510' from CBL

--- Green River Formation @ 1400' to 4100' ---

PERFORATION RECORD

4710'-4717' (7')	(2 SPF)	RED 1
4840', 4844', 4848', 4850'	(1 SPF)	RED 5
4858', 4864'	(1 SPF)	RED 5
4962', 4968', 4984', 4988'	(1 SPF)	GREEN 1
4992', 4994', 4996', 4998'	(1 SPF)	GREEN 1
5155'-5162' (7')	(2 SPF)	GREEN 4
5171'-5181' (10')	(2 SPF)	GREEN 4

← Retrievable Csg Tension Packer @ 4645' KB

PROPOSED REPERFORATING

4836'-4844' (8')	(2 SPF)	RED 5
4848'-4850' (2')	(2 SPF)	RED 5
4858'-4864' (6')	(2 SPF)	RED 5
4962'-4968' (6')	(2 SPF)	GREEN 1
4986'-4989' (3')	(2 SPF)	GREEN 1
4992'-4998' (6')	(2 SPF)	GREEN 1

--- Douglas Creek Member @ 4100' to 5350' ---

PBTD @ 5671' KB  
TD @ 5750' KB

--- Wasatch Formation Transition @ 5350' to 6000' ---  
--- Wasatch Formation @ 6000' ---



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

September 12, 1994

SEP 13 1994

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

*BALCRON Monument Federal 23-11*  
*SEC 11 T9S R16E*  
*43-013-31369*

Gentlemen:

Enclosed are Notices of Intent to convert the seventeen wells on the enclosed list to water injection.

If you have any questions or need additional information, please let me know.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Dan Jarvis, Utah Division of Oil, Gas and Mining

143 SOUTH MAIN ST  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune DESERET NEWS

CUSTOMER'S  
COPY

LEGAL ADVERTISING INVOICE

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	LE-5385340	09/13/94
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED  
ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-152BEFOR FOR  
DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY  
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS  
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED  
IN THE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-152BEFOR  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES  
ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL TO CON-  
VERT THE 44-1J, 34-10J, 34-11J, 12-11J, 14-11J, 23-11J, 32-11J, 43-  
14J, 23-15J, 32-15J, 32-12J, C & O GOVERNMENT #4, 21-14J, 41-  
14J, 23-15J, 32-15J, AND 41-15J WELLS, LOCATED IN SECTIONS 1,  
10, 11, 12, 14, & 15, TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.M.,  
DUCHESE COUNTY, UTAH, TO CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE  
ENTITLED MATTER:

Notice is hereby given that the Division is commencing an  
informal adjudicative proceeding to consider the application  
of Equitable Resources Energy Company ("Equitable") for ad-  
ministrative approval to convert the 44-1J, 34-10J, 34-11J, 12-11J,  
14-11J, 23-11J, 32-11J, 43-14J, 23-15J, 32-15J, 32-12J, C & O Gov-  
ernment #4, 21-14J, 41-14J, 23-15J, 32-15J, and 41-15J Wells,  
located in Sections 1, 10, 11, 12, 14, & 15, Township 9 South,  
Range 16 East, Duchesne County, Utah, to Class II Injection  
wells. The proceeding will be conducted in accordance with  
Utah Admin. R. 649-10, Administrative Procedures.

Equitable proposes to inject water into the captioned wells  
in the Green River Formation interval of approximately 4590 -  
5614 feet, for the purpose of secondary recovery operations.  
Equitable is requesting a maximum injection pressure of 2000  
psi and estimates the injection volume to be approximately  
600 barrels of water per day for each well.

Any person desiring to object to the application or other-  
wise intervene in the proceeding, must file a written protest or  
notice of intervention with the Division within fifteen days of the  
date of publication of this notice. If such a protest or notice of  
intervention is received, a hearing may be scheduled before the  
Board of Oil, Gas and Mining. Protestants and/or intervenors  
should be prepared to demonstrate at the hearing how this  
matter affects their interests.

DATED this 1st day of September, 1994.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
/s/ R.J. Firth, Associate Director, Oil and Gas

SEP 12 1994

94

ACCOUNT NAME		TELEPHONE	
& MINING		801-538-5340	
SCHEDULE		AD NUMBER	
		98710280	
CAPTION		MISC. CHARGES	
NOTICE OF AGENCY ACTION CAUSE NO. UIC-152BEFOR		.00	
TIMES		RATE	
2 COLUMN		1.64	
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	
		160.72	

THANK YOU FOR USING LEGAL ADVERTISING.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

LEGAL ADV06-NT

ACCOUNT NUMBER	AD NUMBER	BILLING DATE	PAY THIS AMOUNT
LE-5385340	98710280	09/13/94	160.72

LEGAL ADVERTISING

MAKE CHECKS PAYABLE TO:  
NEWSPAPER AGENCY CORPORATION

PLEASE REMIT TO:

NEWSPAPER AGENCY CORPORATION  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145-0838

DIV OF OIL, GAS & MINING  
355 WEST NORTH TEMPLE  
3 TRIAD CENTER #350  
SLC, UT 84180

COPY

PLEASE REMOVE THIS STUB

07 7170676102801 000160726 000160726 000160726

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT  
DECISION DOCUMENT**

**Applicant:** Balcron Oil      **Location:** Jonah Unit

**Wells:** Federal 34-10,12-11,14-11,23-11,32-11,34-11,43-11,  
C&O Govt. #4,12-12,14-12,32-12,21-14,41-14,23-15,32-15,  
41-15 and 44-1

**Ownership Issues:** The proposed wells are located in sections 1,10,11,12,14 and 15 township 9 south, range 16 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Balcron Oil has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The seventeen wells proposed for conversion to injection all have surface casing set at approximately 300 feet  $\pm$  30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 5800 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4590-5614 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 27 producing wells, 17 injection wells and 5 plugged and abandoned wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

**Ground Water Protection:** The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .861 psi/ft resulting in a maximum allowed surface pressure of 2000 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

**Oil/Gas & Other Mineral Resources Protection:** Balcron is the operator of the Jonah Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

**Bonding:** Balcron is the operator of all wells within the project and is bonded by the Federal Government.

**Actions Taken and Further Approvals Needed:** These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue both an approval to convert the wells and an injection permit. There are no special conditions or stipulations and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

09-30-94  
Date



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

October 4, 1994

Equitable Resources Energy Company  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, Montana 59104

Re: Monument Butte Federal 34-10, 12-11, 14-11, 23-11, 32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14, 41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4 Wells Located in Sections 1, 10, 11, 12, 14 and 15, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the enclosed Underground Injection Control Permit and the application submitted by Equitable Resources Energy Company.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

R.J. Firth

Associate Director

cc: Dan Jackson, EPA  
Bureau of Land Management, Vernal



0000000000



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-152

**Operator:** Equitable Resources Energy Company

**Wells:** Monument Butte Federal 34-10, 12-11, 14-11, 23-11,  
32-11, 34-11, 43-11, 12-12, 14-12, 32-12, 21-14,  
41-14, 23-15, 32-15, 41-15, 44-1 and C&O Govt.#4

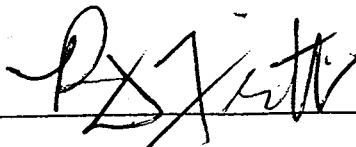
**Location:** Sections 1, 10, 11, 12, 14 and 15, Township 9 S,  
Range 16 E,  
Duchesne County

**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Wells issued on October 4, 1994.
2. Maximum Allowable Injection Pressure: 2000 psig
3. Maximum Allowable Injection Rate: 600 bbls per day/well

Approved by:

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas

10/4/94  
\_\_\_\_\_  
Date



**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE: NE SW Section 11, T9S, R16E  
TD: 1787' FSL & 2147' FWL

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-17985

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #23-11J

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

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- ☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other ☐ Dispose Water

Amendment to Completion Report

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached are the Geological Markers and their Measured Depths to be amended on the original completion report submitted on 11-29-93.

14. I hereby certify that the foregoing is true and correct

Signed

*Robbie Schuman*

Title

Regulatory and Environmental Specialist

Date

12-8-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division

Balcron Monument Federal #23-11J  
NE SW Section 11, T9S, R16E  
Duchesne County Utah

Amendment to Completion Report  
Submitted on 11-9-93

GEOLOGICAL MARKERS

<u>NAME</u>	<u>MEASURED DEPTH</u>
Green River	1577'
Horse Bench Sandstone	2213'
Second Garden Gulch	3878'
"Y" Marker	4506'
Douglas Creek Marker	4661'
Second Douglas Creek	4896'
Green Marker	5046'
Carbonate Marker	5527'
Red-1 Sandstone	4709'
Red-5 Sandstone	4835'
Green-1 Sandstone	4961'
Green-4 Sandstone	5155'

/mc

STATE OF UTAH  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/18/94</u>	Well Owner/Operator: <u>Balcrum</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: 43- <u>013-31369</u>	Well Name/Number: <u>23-11-J</u>
Section: <u>11</u>	Township: <u>9S</u> Range: <u>16E</u>

Initial Conditions:

Tubing - Rate: 5 I Pressure: 300 psi

Casing/Tubing Annulus - Pressure: 1075 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1075</u>	<u>300</u>
5	<u>1075</u>	<u>"</u>
10	<u>1075</u>	<u>"</u>
15	<u>1075</u>	<u>"</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300 psi

Casing/Tubing Annulus Pressure: \_\_\_\_\_ psi

REMARKS:

Passed MIT - well is ready to  
commence injection

Operator Representative

[Signature]  
DOGMA Witness

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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NE SW Section 11, T9S, R16E  
1787' FSL, 2147' FWL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #23-11

9. API Well No.

43-013-31369

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well has been converted to water injection in accordance with permit approval. Refer to the attached workover procedure, well report, and injection well completion diagram for details of the conversion.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date January 13, 1995

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

BALCRON MONUMENT FEDERAL #23-11J  
Jonah Unit/Monument Butte Field  
Lease No. U-096550  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

## WELL HISTORY REPORT

Date

Work Description

### Conversion of well to water injection

- 10-1-94 - MIRU Basin Well Service, TOO H w/rods,pump, & tbg, RDMO.
- 10-9-94 - MIRU Cannon Well Service, RIH w/bit & scrapper to TD.
- RU Cutters Wireline, reperforate as follows:
- |                  |         |         |
|------------------|---------|---------|
| 4836'-4844' (8') | (2 SPF) | RED 5   |
| 4848'-4850' (2') | (2 SPF) | RED 5   |
| 4858'-4864' (6') | (2 SPF) | RED 5   |
| 4962'-4968' (6') | (2 SPF) | GREEN 1 |
| 4986'-4989' (3') | (2 SPF) | GREEN 1 |
| 4992'-4998' (6') | (2 SPF) | GREEN 1 |
- RIH w/ 2 7/8" injection tbg & Arrow Set-1 packer.
- Pump 55 gals Champion Cortron #23-83 corrosion inhibitor mixed w/ 60 STBW down csg.
- Set packer @ 4639' KB, NU wellhead, pressure test csg annulus to 1000 psig.  
no loss, RDMO.
- 10-18-94 Perform MIT, pressure csg annulus to 1075 psig for 15 min., no loss, tbg @ 300 psig, Utah OG&M witness Dan Jarvis.
- 8-18-94 RU Alignther Hot Oil Service, mix 5 gals Wsetern Claymaster & 10 gals 940 surfactant w/ 130 STB 2% KCl water, pump down tbg @ 180 deg.F., 1.5 STBPM @ 100 psig, start water injection @ 375 STBPD.

Balcron Monument Federal #23-11J  
NE SW Section 11, T9S, R16E  
1787' FSL & 2147' FWL  
Lease No. U096550  
Jonah Unit/Monument Butte Field  
Duchesne County, Utah

BALCRON OIL  
1-11-94 JZ

Injection Well Completion Diagram

Elev. Gr @ 5621'  
Elev. KB @ 5631' (10' KB)

UTAH CAUSE NO.: UIC-152

SURFACE CASING

8-5/8", 24#, J-55  
Length @ 270.01'  
Hole size @ 12-1/4"  
Depth landed @ 277' KB  
Cemented w/150 sxs Class "G" w/2% CCL  
& 1/4#/sx Celoflake. Good returns

PRODUCTION CASING

5-1/2", 15.5#, K-55  
Length @ 5740.67'  
Hole size @ 7-7/8"  
Depth landed @ 5730.67' KB  
Cemented w/90 sxs Hifill & tail  
w/350 sxs 50-50 POZ.  
TOC @ 2510' from CBL

TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 148 jnts 2 7/8" tbg	4621.11	4631.11
2) 2 7/8" SN (2.25" ID)	1.10	4632.21
3) 2 7/8"x 2 3/8" X-Over	0.60	4632.81
4) 5.5" Arrow Set-1 Pkr	6.20	4639.01
End of Tubing		4639.01

Injection Packers Set 10-9-94 By Mtn States.

2 7/8" SN ID @ 2.25".  
Arrow Set-1 Pkr set w/ 16" Tension.  
Packer fluid - 55 gals Champion Cortron #23-83  
w/60 STBW.

Injection Horizons

4710'-4717' (7')	RED 1
4836'-4844' (8')	RED 5
4848'-4850' (2')	RED 5
4858'-4864' (6')	RED 5
4962'-4968' (6')	GREEN 1
4984'-4989' (5')	GREEN 1
4992'-4998' (6')	GREEN 1
5155'-5162' (7')	GREEN 4
5171'-5181' (10')	GREEN 4

Tracer Survey ran 12-28-94.

← 277' KB

- Uintah Formation @ Surface to 1400'

← Top of Cement @ 2510' from CBL

- Green River Formation @ 1400' to 4100'

PERFORATION RECORD

4710'-4717' (7')	(2 SPF)	RED 1
4840', 4844', 4848', 4850'	(1 SPF)	RED 5
4858', 4864'	(1 SPF)	RED 5
4962', 4968', 4984', 4988'	(1 SPF)	GREEN 1
4992', 4994', 4996', 4998'	(1 SPF)	GREEN 1
5155'-5162' (7')	(2 SPF)	GREEN 4
5171'-5181' (10')	(2 SPF)	GREEN 4

← Arrow Set-1 Packer @ 4639' KB

Reperforated on 10-9-94:

4836'-4844' (8')	(2 SPF)	RED 5
4848'-4850' (2')	(2 SPF)	RED 5
4858'-4864' (6')	(2 SPF)	RED 5
4962'-4968' (6')	(2 SPF)	GREEN 1
4986'-4989' (3')	(2 SPF)	GREEN 1
4992'-4998' (6')	(2 SPF)	GREEN 1

14%

2%

2%

2%

14%

14%

15%

15%

22%

- Douglas Creek Member @ 4100' to 5350'

PBTD @ 5671' KB  
TD @ 5750' KB

- Wasatch Formation Transition @ 5350' to 6000'  
- Wasatch Formation @ 6000'

## BALCRON OIL

## WELL REPORT

WELL NAME: Balcron Monument Federal #23-11J  
 FIELD: Jonah Unit/Monument Butte Field  
 FEDERAL LEASE NO.: U-096550  
 LOCATION: NE SW Section 11, T9S, R16E  
 1787' FSL & 2147' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.805079506  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 10-21-93  
 INITIAL PRODUCTION: 110 STBOPD, 165 MSCFPD, 20 STBWPD  
 LAST PRODUCTION: 16 STBOPD, 100 MCFPD, 0 STBWPD  
 PRESENT PROD STATUS: Water Injection Well  
 Started Water injection 10-28-94.  
 CONVERSION TO INJ.: 10-9-94  
 INJECTION RATE: 375 STBWPD  
 ELEVATIONS - GROUND: 5621'  
 TOTAL DEPTH: 5750' KB

DATE: 1-11-94 JZ  
 API NO.: 43-013-31369  
 UTAH CAUSE NO.: UIC-152

NET REVENUE INT.: 0.73831617 Oil  
 0.66359285 Gas  
 SPUD DATE: 8-30-93  
 OIL GRAVITY: 34 API  
 BHT: 138 Deg.F  
 LAST MIT DATE: 10-18-94  
 1075 psig for 15 min., no loss.  
 KB: 5631' (10' KB)  
 PLUG BACK TD: 5671' KB

## SURFACE CASING

STRING: 1  
 SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 6 jts @ 270.01'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 277' KB  
 CEMENT DATA: 150 sxs Class-G w/2% CCI  
 & 1/4 # per sx Flocele.  
 Good returns to surface.

## PRODUCTION CASING

STRING: 1  
 SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5 #  
 LENGTH: 5740.67'  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5730.67' KB  
 CEMENT DATA: 90 sxs HiFill & tail  
 w/350 sxs 50-50 POZ  
 CEMENT TOP AT: 2510' from CBL

## TUBING/INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT.(w/10' KB)
KB	10.00	
1) 148 jnts 2 7/8" tbg	4621.11	4631.11
2) 2 7/8" SN (2.25" ID)	1.10	4632.21
3) 2 7/8" x 2 3/8" X-Over	0.60	4632.81
4) 5.5" Arrow Set-1 Pkr	6.20	4639.01
End of Tubing		4639.01

Injection Packers Set 10-9-94 By Mtn States.

2 7/8" SN ID @ 2.25".

Arrow Set-1 Pkr set w/ 16" Tension.

Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW.

## Injection Horizons

4710'-4717' (7')	RED 1
4836'-4844' (8')	RED 5
4848'-4850' (2')	RED 5
4858'-4864' (6')	RED 5
4962'-4968' (6')	GREEN 1
4984'-4989' (5')	GREEN 1
4992'-4998' (6')	GREEN 1
5155'-5162' (7')	GREEN 4
5171'-5181' (10')	GREEN 4

## PERFORATION RECORD

4710'-4717' (7')	(2 SPF)	RED 1
4840', 4844', 4848', 4850'	(1 SPF)	RED 5
4858', 4864'	(1 SPF)	RED 5
4962', 4968', 4984', 4988'	(1 SPF)	GREEN 1
4992', 4994', 4996', 4998'	(1 SPF)	GREEN 1
5155'-5162' (7')	(2 SPF)	GREEN 4
5171'-5181' (10')	(2 SPF)	GREEN 4

Reperforated on 10-9-94:

4836'-4844' (8')	(2 SPF)	RED 5
4848'-4850' (2')	(2 SPF)	RED 5
4858'-4864' (6')	(2 SPF)	RED 5
4962'-4968' (6')	(2 SPF)	GREEN 1
4986'-4989' (3')	(2 SPF)	GREEN 1
4992'-4998' (6')	(2 SPF)	GREEN 1

## BREAKDOWN/ACID JOB

\*\* See Attached Sheet \*\*

## FRAC JOB

\*\* See Attached Sheet \*\*

LOGS: Compensated Neutron/Litho-Density Log;  
 Dual Laterolog Micro-SFL; Mud Log; Cement  
 Bond/Gamma-Ray & CCL Log

Balcron Monument Federal #23-11J  
Jonah Unit/Monument Butte Field  
Lease No. U-096550  
NE SW Section 11, T9S, R16E  
Duchesne County, Utah

BREAKDOWN INFORMATION

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5155'-5181' KB -	9-27-93: By Western w/4,263 gals 2% KCl wtr. ATP 1800 psi, max 2200 psi. ATR 5 BPM.
4984'-4998' KB & 4962'-4968' KB & 4840'-4864' KB -	9-30-93: By Western w/5,800 gals 2% KCL wtr.
4710'-4717' KB -	10-1-93: By Western w/1974 gals 2% KCL wtr. ATP 2600 psi, max 4000 psi. ATR 5 BPM, max 5.2 BPM. ISIP 1500 psi.

FRAC INFORMATION

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5155'-5181' KB -	9-28-93: By Western w/28,200# 20/40 mesh sand & 29,180# 16/30 mesh sand w/18,732 gals 2% KCL gelled wtr. ATP 1800 psi. ATR 25.1 BPM. ISIP 1900 psi, 5 min 1570 psi, 10 min 1460 psi, 15 min 1430 psi.
4984'-4998' KB & 4962'-4968' KB & 4840'-4864' KB -	10-1-93: By Western w/30,700# 20/40 mesh sand & 29,500# 16/30 mesh sand w/23,604 gals 2% KCL gelled wtr. ATP 2200 psi, max 3000 psi. ATR 25 BPM, max 35 BPM. ISIP 1600 psi.
4710'-4717' KB -	10-1-93: By Western w/20,000# 16/30 mesh sand w/11,634 gals 2% KCL gelled wtr. ATR 19.5 BPM, max 21.1 BPM. ISIP 2000 psi. 5 min 1690 psi, 10 min 1590 psi, 15 min 1530 psi.





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

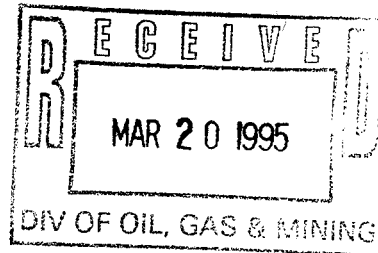
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒



March 16, 1995

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

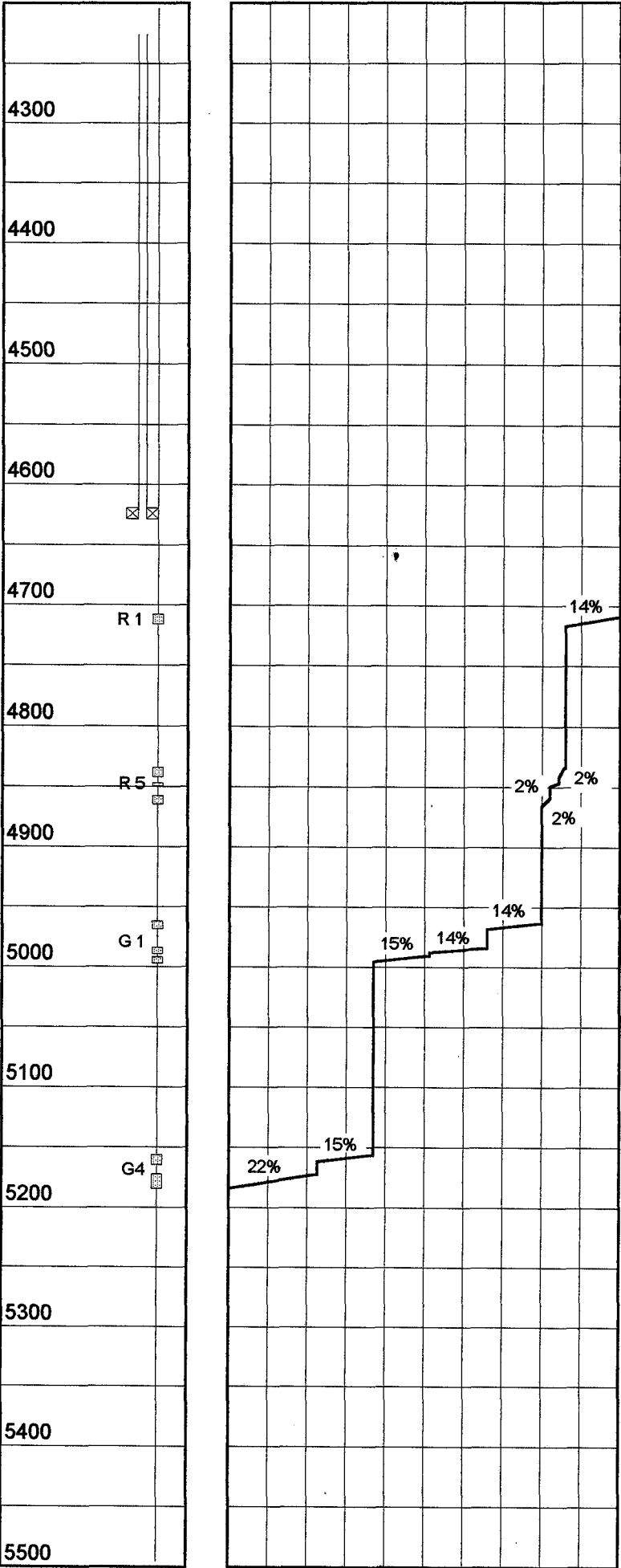
Attachments

# EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION

## INJECTION PROFILE

MONUMENT  
FEDERAL 23-11J

Date: 12/28/94	Desired Rate: 375 B/D
Surface Temp: 47 F	Metered Rate: 375 B/D
BHT: 150 F	Measured Rate: 333 B/D
PBTD: 5671	Tbg Pressure: 0 PSI
TD: 5575	Csg Pressure: 0 PSI



03-16E-11  
43-013-31260

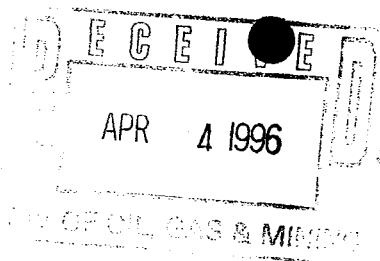
Remarks: R/A Tracer survey indicates exits as shown. Packer checks okay.  
Service Company: Well Information Services, Inc.  
Operator: Bart Williams



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102



Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis  
Utah Division of Oil, Gas and Mining  
UIC Program  
355 West North Temple  
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

# UTAH UIC PERMITS

Balcron Monument Fed. #23-11	State #UIC-152
Balcron Monument Fed. #14-11	State #UIC-152
Balcron Monument Fed. #12-11	State #UIC-152
Walton Federal #34-11	State #UIC-152
Balcron Monument Fed. #34-10J	State #UIC-152
Balcron Monument Fed. #44-1J	State #UIC-152
<b>Coyote Basin Area Waterflood</b>	
<b>Area Permit No. UT2653-00000 (Approved 2/18/94)</b>	
Coyote Basin Fed. #42-6X	UT2653-03751 (AREA PERMIT UT2653-00000)
East Red Wash Federal #2-5	UT2653-03752 (AREA PERMIT UT2653-00000)
East Red Wash Federal #4-6	UT2653-04224 (AREA PERMIT UT2653-00000)
Amerada Guinand Federal #1	UT2653-04225 (AREA PERMIT UT2653-00000)
<b>Section 2 Waterflood</b>	
<b>Area Permit No. UT2776-00000 (Approved 11/95)</b>	
Balcron Monument State #14-4	UT2776-04275 (State UIC-163)
Balcron Monument State #22-2	UT2776-04276 (State UIC-163)
<b>Pariette Field SWD</b>	
Pariette Bench #4 SWD (UT)	UT2676-02569



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

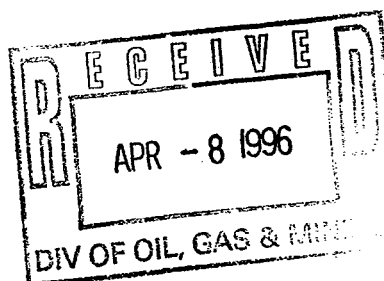
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

UTAH

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	<del>16E</del>	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~SEE Operator Name Change Only~~

Routing:

1	LEP 7-SJ	<input checked="" type="checkbox"/>
2	D2858-FILE	<input checked="" type="checkbox"/>
3	VLD (GILY)	<input checked="" type="checkbox"/>
4	RJE	<input checked="" type="checkbox"/>
5	IEC	<input checked="" type="checkbox"/>
6	FILM	<input checked="" type="checkbox"/>

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone (406) <u>259-7860</u>	phone (406) <u>259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>D13-31369</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_. Today's date \_\_\_\_\_ 19\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_.

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*Sent to Ed Bouchon - Trust Lands*

### FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary".

## DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

(This space for State use only)

RECEIVED

OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED

OCT 13 1997

Well name and number: See Attached **\*\*JONAH (GREEN RIVER) UNIT**

Field or Unit name: See Attached API no. See Attached

Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached

Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.

Signature [Signature] Address 1601 Lewis Avenue

Title Director of Operations & Engineering Billings, MT 59102

Date 9-30-97 Phone ( 406 ) 259-7860

Comments:

NEW OPERATOR

Transfer approved by:

Name Chris A Potter Company Inland Production Company

Signature [Signature] Address 475 - 17th Street, Suite 1500

Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202

Date 9-30-97 Phone ( 303 ) 292-0900

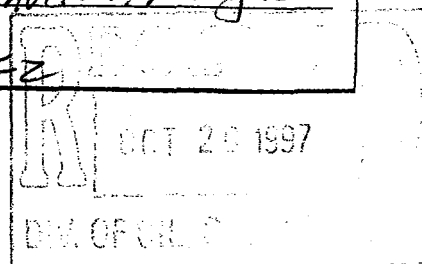
Comments:

(State use only)

Transfer approved by [Signature] Title Environ. Manager

Approval Date 1-20-98

CAUSE # 228-Z



Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 15 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOVT #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438

11431

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
COASTAL OIL	43-013-30337	G. HANSON #2	02S	03W	4	INJD	Y
COASTAL OIL	43-013-30038	2-23B4 LAKE	02S	04W	23	INJD	Y
COASTAL OIL	43-013-30371	L RUSSELL 2-	02S	04W	32	INJD	Y
COASTAL OIL	43-013-30391	EHRICH 2-11B	02S	05W	11	INJD	Y
COASTAL OIL	43-013-30340	LDS CHURCH #	02S	05W	27	INJD	Y
COASTAL OIL	43-047-31996	NBU 159	09S	21E	35	INJD	Y
COCHRANE RES	43-037-30815	3-23	38S	25E	23	INJW	N
COCHRANE RES	43-037-30690	1-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31145	4-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31761	WDW 1	38S	25E	25	INJD	N
COCHRANE RES	43-037-30762	3-26	38S	25E	26	INJW	N
CROSS CREEK	43-037-16269	SOUTH ISMAY	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	✓43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	✓43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	✓43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*

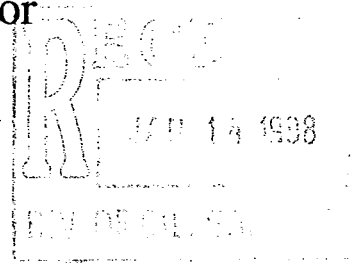




# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
UT-931

January 13, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Jonah (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
~~Division of Oil, Gas & Mining~~  
Minerals Adjudication Group U-932  
File - Jonah (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133140600X1</del>	<del>21-12J</del>	<del>NENW</del>	<del>12</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU096550</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
<del>UTU72086A</del>	<del>430133142200X1</del>	<del>21-15J</del>	<del>NENW</del>	<del>15</del>	<del>9S</del>	<del>16E</del>	<del>ABD</del>	<del>UTU017985</del>	<del>EQUITABLE RESOURCES ENERG</del>
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SESW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

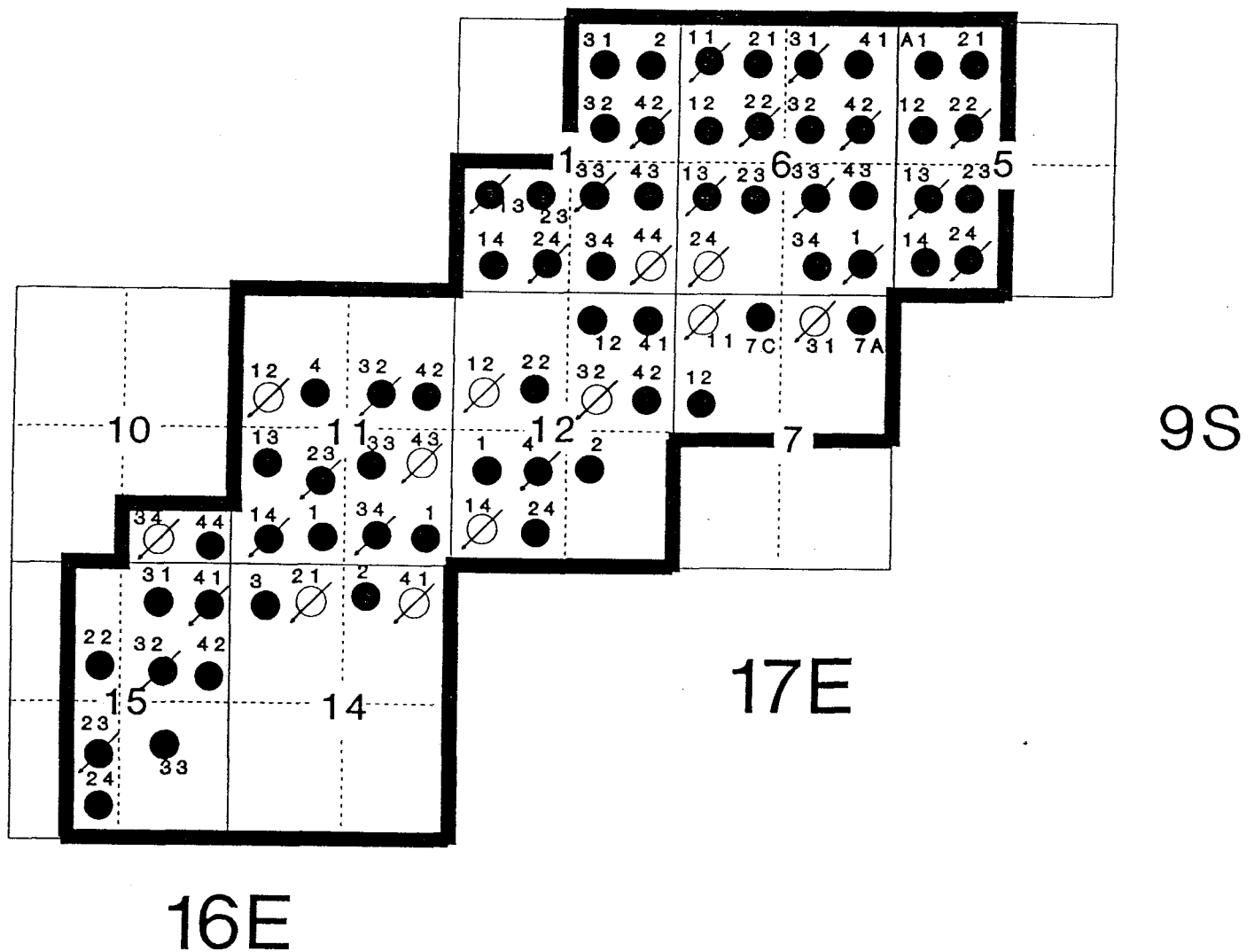
WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

# JONAH (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-UPC	6-MAK
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION COMPANY(address) PO BOX 1446ROOSEVELT UT 84066Phone: (801) 722-5103Account no. N5160

FROM: (old operator)

(address)

EQUITABLE RESOURCES ENERGYPO BOX 577LAUREL MT 59044C/O CRAZY MTN O&G SVSPhone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

**\*JONAH (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31361</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- Lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- Lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- Lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) \* UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98.
- Lec 6. **Cardex** file has been updated for each well listed above.
- Lec 7. Well **file labels** have been updated for each well listed above.
- Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- Lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

## ENTITY REVIEW

- Y 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*Entity 11492 "Jonah (GP) Unit"*
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Y 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A Y 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

## FILMING

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 2.3.98.

## FILING

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980114 BLM/SL Aprv. eff. 1-13-98.

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: MOIV FEDERAL 23-11J API Number: 43-013-31369  
 Qtr/Qtr: NE/SW Section: 11 Township: 9S Range: 16E  
 Company Name: INLAND PRODUCTION COMPANY  
 Lease: State UT Fee        Federal U+096550 Indian         
 Inspector: Dennis L. Lyza Date: 06-07-00

## Initial Conditions:

Tubing - Rate:        Pressure: 1800 psi  
 Casing/Tubing Annulus - Pressure: 1210 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1210 PSI</u>	<u>1800 PSI</u>
5	<u>1210</u>	<u>1800</u>
10	<u>1210</u>	<u>1800</u>
15	<u>1210</u>	<u>1800</u>
20	<u>1210</u>	<u>1800</u>
25	<u>1210</u>	<u>1800</u>
30	<u>1210</u>	<u>1800</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 1800 psiCasing/Tubing Annulus Pressure: 0 psiCOMMENTS: Tested for 5 year rule. Injecting @ 63.56 BPDtested @ 12:15 AM

Roy L. Laddell  
 Operator Representative

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-096550</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <b>N/A</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b> 6+		<b>7. UNIT AGREEMENT NAME</b>  <b>JONAH</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW 1787 FSL 2147 FWL</b>		<b>8. FARM OR LEASE NAME</b> <b>MONUMENT FEDERAL 23-11J</b>	
<b>14 API NUMBER</b> <b>43-013-31369</b>		<b>9. WELL NO.</b> <b>MONUMENT FEDERAL 23-11J</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5622 GR</b>		<b>10. FIELD AND POOL, OR WILDCAT</b> <b>MONUMENT BUTTE</b>	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/SW Section 11, T09S R16E</b>	
		<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13. STATE</b> <b>UT</b>

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Perform 5 year MIT</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The MIT was conducted on the subject well to satisfy the five year MIT. On 6-7-00 the casing was pressured up to 1210 psi and charted for thirty minutes with no leak off. Mr. Dennis Ingram with the DOGM was in attendance and approved the test.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

18 I hereby certify that the foregoing is true and correct  
SIGNED Rod Bird TITLE Production Foreman DATE 6/7/00  
Rod Bird

**FOR RECORD ONLY**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

**RECEIVED**  
**JUN 09 2000**  
**DIVISION OF**  
**OIL, GAS AND MINING**



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis Ingram

Date 6/7/00

Time 12:15

12:15 pm

Test Conducted by: Roy Liddell

Others Present: \_\_\_\_\_

Well: Monument Fed. 23-11-9-16

Field: Monument Butte

Well Location: NE/SW sec, 11, T9S, R16E

API No: 43-013-31369

Duchesne Co, UT

## Time

## Casing Pressure

0 min	<u>1210</u>	psig
5	<u>1210</u>	psig
10	<u>1210</u>	psig
15	<u>1210</u>	psig
20	<u>1210</u>	psig
25	<u>1210</u>	psig
30 min	<u>1210</u>	psig
35	<u>1210</u>	psig
40	<u>1210</u>	psig
45	<u>1210</u>	psig
50	<u>1210</u>	psig
55	<u>1210</u>	psig
60 min	<u>1210</u>	psig

**RECEIVED**

JUN 09 2000

DIVISION OF  
OIL, GAS AND MINING

Tubing pressure: 1800 psig injecting @ 63.56 BPD

Result:

Pass

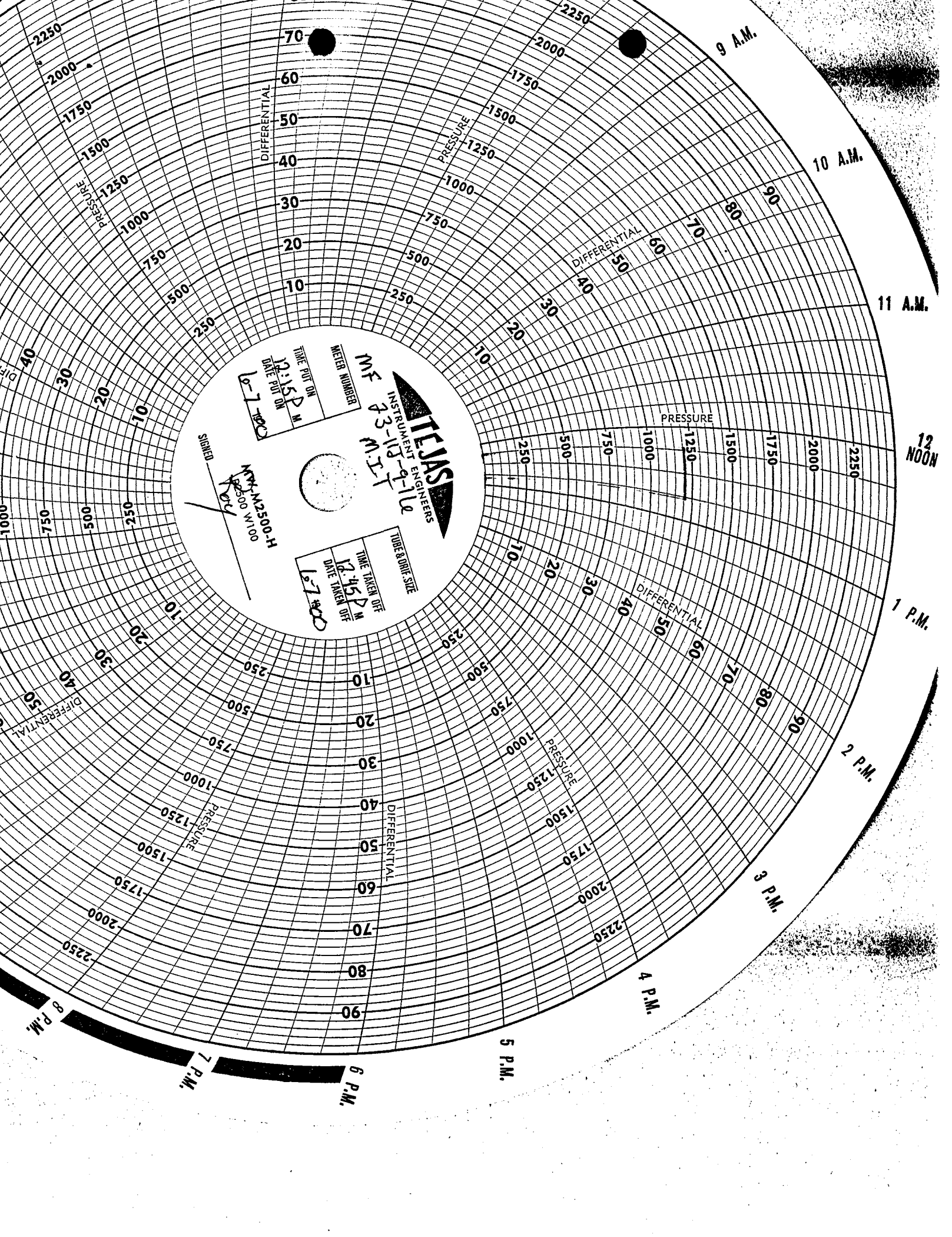
Fail

Signature of Witness:

Dennis Ingram

Signature of Person Conducting Test:

Roy Liddell





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

<b>UTSL-</b>	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
<b>UTU-</b>	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk Services Manager*Approval Date: *9-20-04*Comments: *Note: Indian Country wells will require EPA approval.*RECEIVED  
SEP 20 2004

DIV. OF OIL, GAS &amp; MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:						9/1/2004							
<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721				<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721									
CA No.				Unit:		JONAH (GREEN RIVER)							
WELL(S)													
NAME		SEC		TWN		RNG		API NO		ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 42-1J		01		090S		160E		4301331404		11492	Federal	WI	A
MON FED 43-11J		11		090S		160E		4301331002		11492	Federal	WI	A
WALTON FED 34-11		11		090S		160E		4301331003		11492	Federal	WI	A
MON FED 23-11J		11		090S		160E		4301331369		11492	Federal	WI	A
MON FED 14-11J		11		090S		160E		4301331374		11492	Federal	WI	A
MON FED 32-11J		11		090S		160E		4301331386		11492	Federal	WI	A
MON FED 41-15		15		090S		160E		4301331367		11492	Federal	WI	A
MON FED 32-15J		15		090S		160E		4301331368		11492	Federal	WI	A
MON FED 23-15		15		090S		160E		4301331373		11492	Federal	WI	A
MON FED 13-5		05		090S		170E		4301331370		11492	Federal	WI	A
MON FED 24-5		05		090S		170E		4301331375		11492	Federal	WI	A
MONUMENT FED 23-5J		05		090S		170E		4301331383		11492	Federal	OW	P
MON FED 22-5		05		090S		170E		4301331384		11492	Federal	WI	A
MONUMENT FED 14-5		05		090S		170E		4301331385		11492	Federal	OW	P
ALLEN FED 31-6		06		090S		170E		4301331195		11492	Federal	WI	A
MONUMENT 33-6		06		090S		170E		4301331361		11492	Federal	WI	A
MON FED 11-6		06		090S		170E		4301331362		11492	Federal	WI	A
MON FED 24-6		06		090S		170E		4301331363		11492	Federal	WI	A
MON FED 42-6		06		090S		170E		4301331364		11492	Federal	WI	A
GETTY 7C		07		090S		170E		4301330961		11492	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on:

9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on:

9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on:

2/23/2005
4. Is the new operator registered in the State of Utah:

YES

Business Number:

755627-0143
5. If **NO**, the operator was contacted contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005  
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU096550
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: JONAH UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: BALCRON MONUMENT FED 23-11
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1787 FSL 2147 FWL		9. API NUMBER: 4301331369
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SW, 11, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
COUNTY: Duchesne		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/06/2005	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6-6-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 6-6-05. On 6-6-05 the csg was pressured up to 1590 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1980 psig during the test. There was not a State representative available to witness the test. API# 43-013-31369.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 06-14-05  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 6-15-05  
Initials: [Signature]

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager  
SIGNATURE [Signature] DATE 06/09/2005

(This space for State use only)

RECEIVED  
JUN 10 2005  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 6/6/05 Time 1:30 am ☒ pm

Test Conducted by: JD Horrocks

Others Present: \_\_\_\_\_

Well: Bakron monument Fed. 23-111-916

Field: Jonah unit

Well Location: NE/SW 11 T9S R16E

API No: \_\_\_\_\_

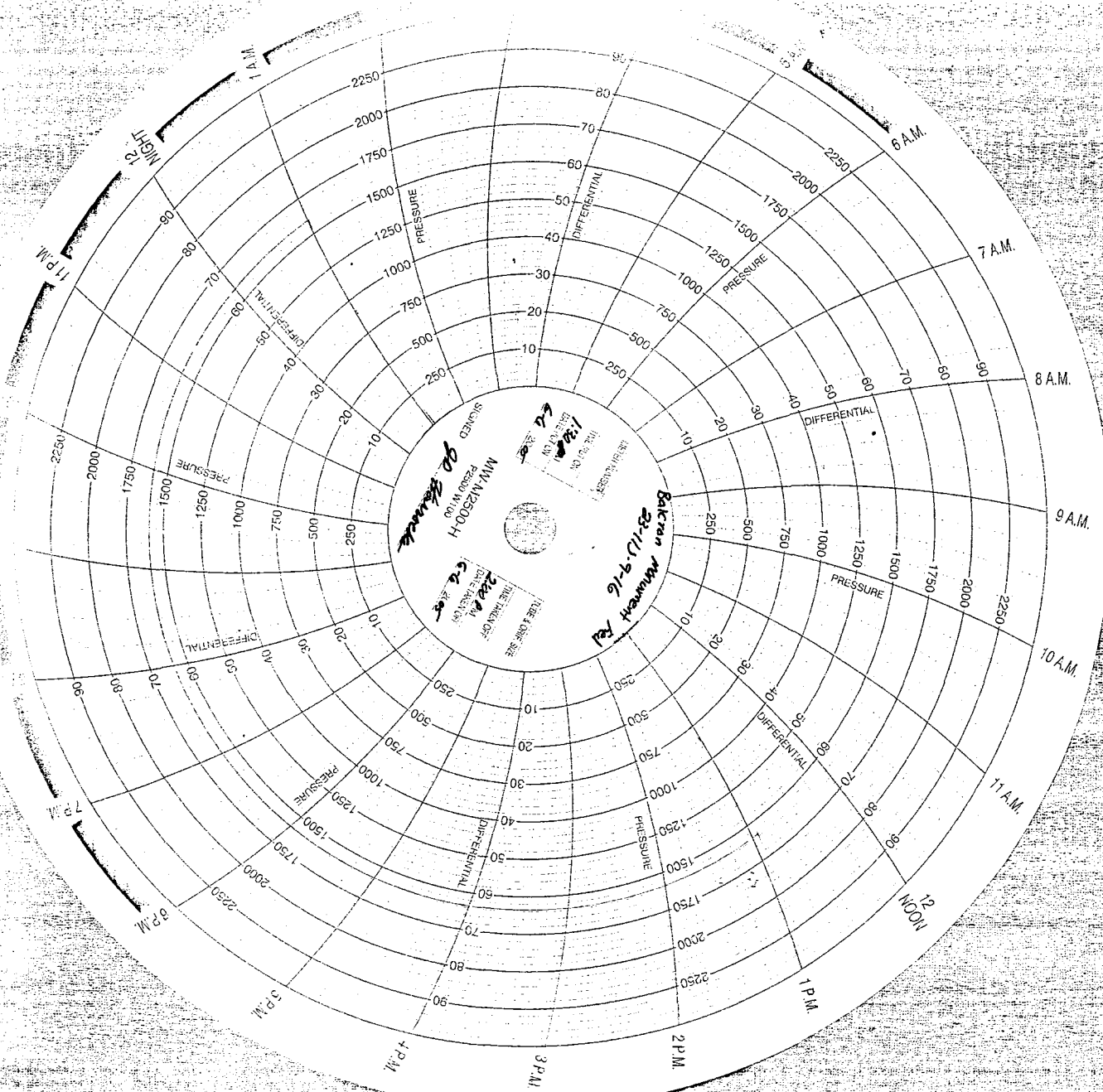
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1590</u>	psig
5	<u>1590</u>	psig
10	<u>1590</u>	psig
15	<u>1590</u>	psig
20	<u>1590</u>	psig
25	<u>1590</u>	psig
30 min	<u>1590</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1980 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: JD Horrocks



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU096550
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1787 FSL 2147 FWL		8. WELL NAME and NUMBER: BALCRON MONUMENT FED 23-11J
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301331369
6. FIELD AND POOL, OR WILDCAT: Monument Butte		
7. COUNTY: Duchesne		
8. STATE: Utah		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 08/24/2005			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was recompleted in the Green River Formation. Four new intervals were perforated. The CP1 sds @ 5579-5590', CP2 sds @ 5628-5637; PB11 sds @ 4444-4452', GB6 sds @ 4212-4234, GB2 sds @ 4062-4068' all with 4 JSPF for a total of 232 shots. On 9-19-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 9-23-05. On 9-23-05 the csg was pressured up to 1320 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1000 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: 10-11-05

By: 

COPY SENT TO OPERATOR

Date: 10-12-05

Initials: CMO

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE 

DATE 10/03/2005

(This space for State use only)

**RECEIVED**

**OCT 0 / 2005**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Monument Fed. 23-11J-9-16 Date 9/23/05 Time 10:00 am pm

Test Conducted by: Michael Hullinger

Others Present: \_\_\_\_\_

Well: Monument Fed. 23-11J-9-16

Field: \_\_\_\_\_

Well Location: NE1SW, Sec. 11, T9S, R16E

API No: 43-013-31369

Time	Casing Pressure	
0 min	<u>1320</u>	psig
5	<u>1320</u>	psig
10	<u>1320</u>	psig
15	<u>1320</u>	psig
20	<u>1320</u>	psig
25	<u>1320</u>	psig
30 min	<u>1320</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1000 psig

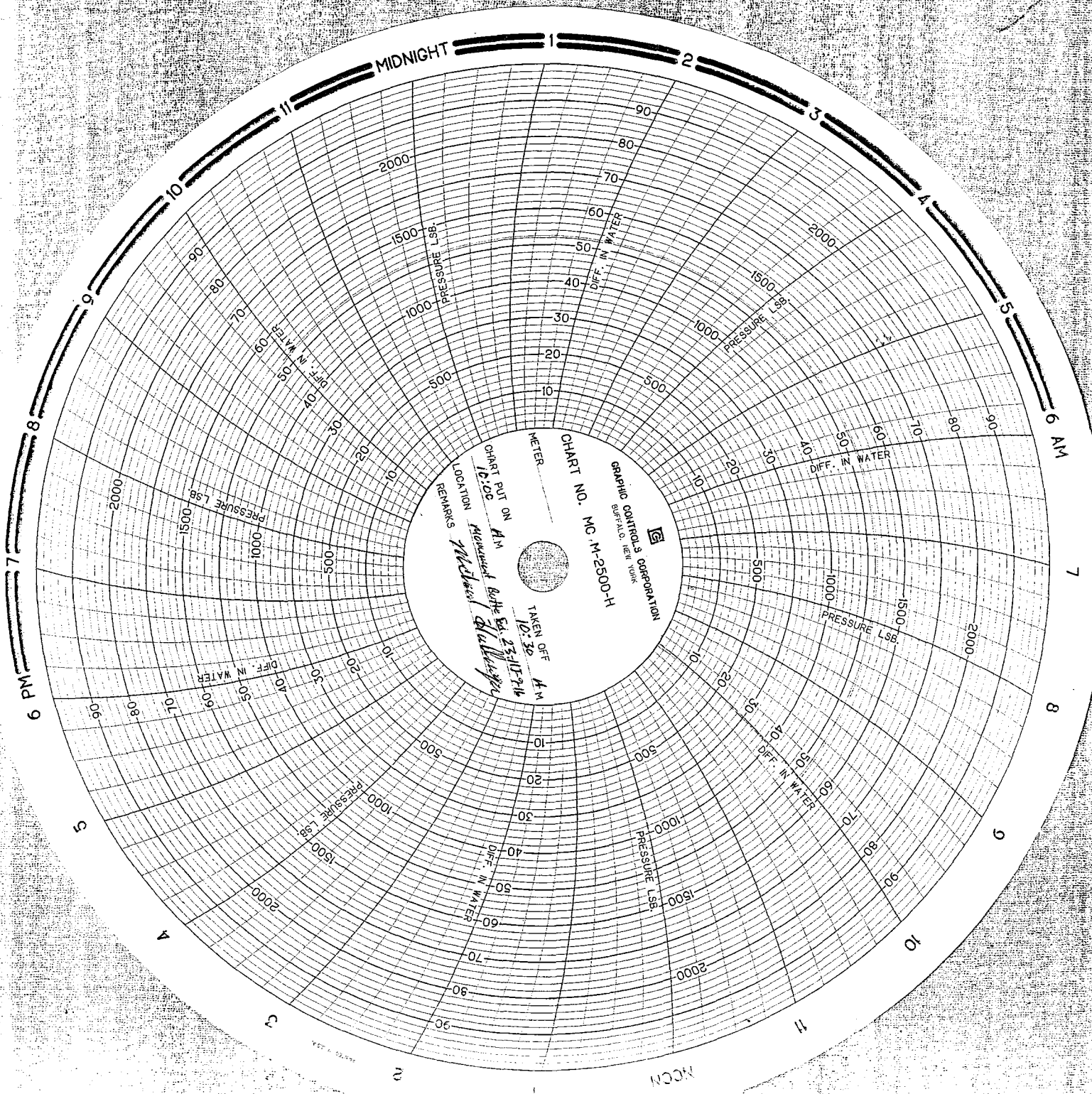
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Michael Hullinger



STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: <u>BF 23-11-9-16</u>	API Number: <u>43-013-31369</u>
Qtr/Qtr: <u>NE/SW</u> Section: <u>11</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>NEW FIELD</u>	
Lease: State <u>UT</u> Fee <u>474096550</u>	Federal <u>Indian</u>
Inspector: <u>[Signature]</u>	Date: <u>5/19/10</u>

## Initial Conditions:

Tubing - Rate: N/A Pressure: 1320 psi  
 Casing/Tubing Annulus - Pressure: 1070 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1070</u>	<u>1320</u>
5	<u>1070</u>	<u>1320</u>
10	<u>1070</u>	<u>1320</u>
15	<u>1070</u>	<u>1320</u>
20	<u>1070</u>	<u>1320</u>
25	<u>1070</u>	<u>1320</u>
30	<u>1070</u>	<u>1320</u>

Results: Pass Fail

## Conditions After Test:

Tubing Pressure: 1320 psi  
 Casing/Tubing Annulus Pressure: 1070 psi

## COMMENTS:

Test after repairing tubing  
test @ 930

[Signature]  
 Operator Representative



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, recenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096550
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1787 FSL 2147 FWL		8. WELL NAME and NUMBER: BALCRON MONUMENT FED 23-11J
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 11, T9S, R16E		9. API NUMBER: 4301331369
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/19/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (tubing leak), attached is a daily status report.

On 05-18-10 Dennis Ingram with the State of Utah was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 05-18-10. On 05-19-10 the csg was pressured up to 1070 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbq pressure was 1320 psig during the test. There was a State representative available to witness the test. (Dennis Ingram)

API# 43-013-31369

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 05/21/2010

(This space for State use only)

RECEIVED  
JUN 03 2010  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 5 / 19 / 10 Time 4:30 am pm

Test Conducted by: NEWFIELD EXPLORATION

Others Present: \_\_\_\_\_

Well: BALCRON Federal 23-11J-9-16

Field: MOUMENT

Well Location: NE/SW, Sec. 11, T9S, R16E

API No: 43-013-31369

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1070</u>	psig
5	<u>1070</u>	psig
10	<u>1070</u>	psig
15	<u>1070</u>	psig
20	<u>1070</u>	psig
25	<u>1070</u>	psig
30 min	<u>1070</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1320 psig

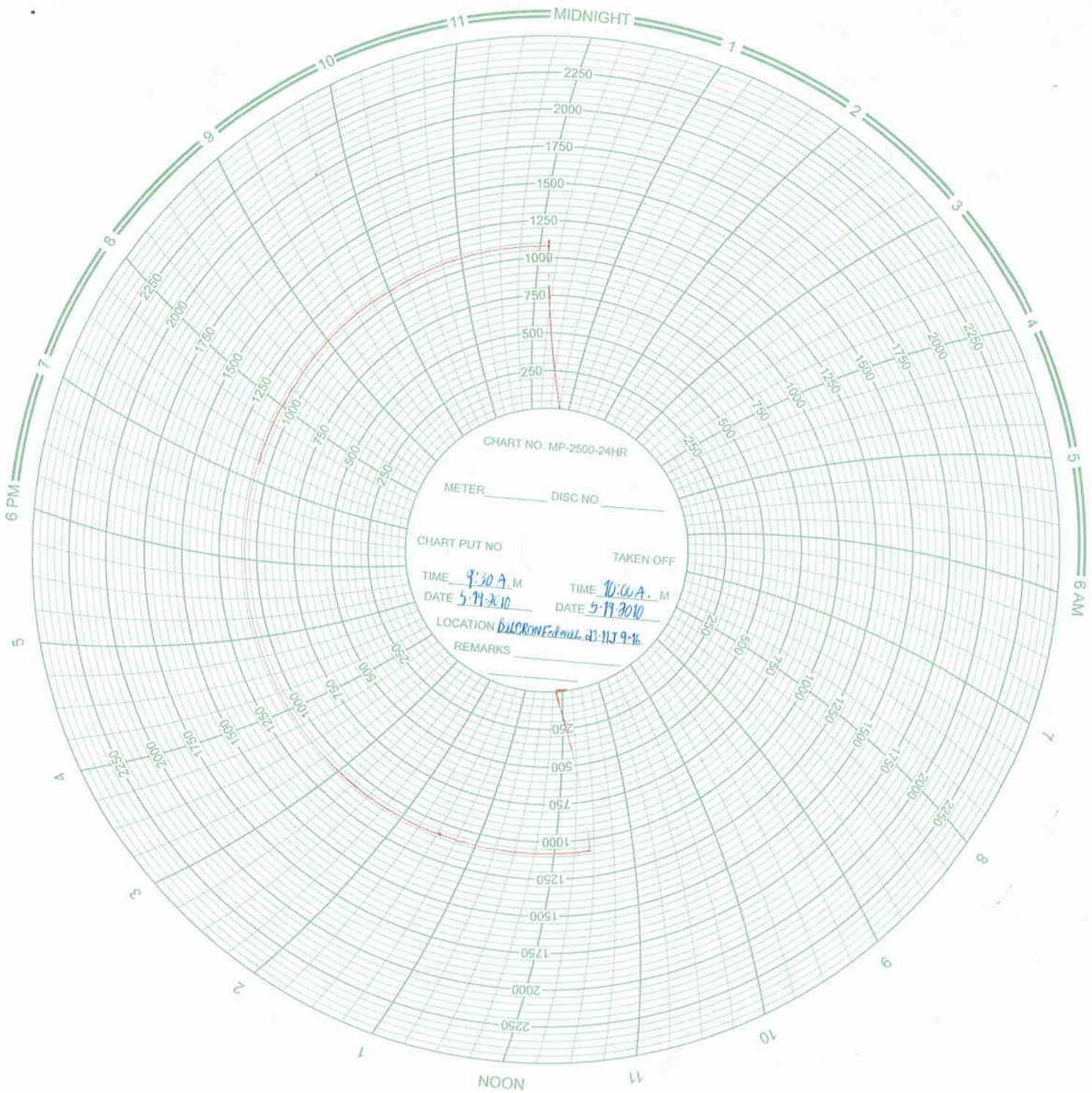
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Ted Whithead



**Daily Activity Report**

Format For Sundry

**BLCRN MON 23-11-9-16****3/1/2010 To 7/30/2010****5/12/2010 Day: 1****Tubing Leak**

WWS #5 on 5/12/2010 - MIRU Western rig #5. Rig up to flow well back overnight. - MIRU Western rig #5. SITP @ 1500 psi. Bleed tbg off to tank. Flow rate of 200 BPH. Line up water trucks & flowback hand. Leave well flowing overnight.

**Daily Cost:** \$0**Cumulative Cost:** \$15,393

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**5/13/2010 Day: 2****Tubing Leak**

WWS #5 on 5/13/2010 - Changed packers. LD 1 jt W/ corrosion hole. Tested tbg. Set & test packer. RDMOSU. - Hauled out approx. 2600 BW through night. Still flowing @ 1 BPM. ND wellhead & release pkr @ 4017'. NU BOP. RU HO trk & circulate down tbg W/ 60 BW @ 250°F. Try dropping SV dn tbg--flowing too hard. TOH W/ tbg. Found corrosion hole in jt #41. TOH W/ remainder of tbg string-LD packer. . MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 128 jts 2 7/8 8rd 6.5# J-55 tbg. Tested tbg in hole in 3 segments. Final test held 3000 psi solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4013', CE @ 4017' & EOT @ 4022'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU. - Perform MIT.

**Daily Cost:** \$0**Cumulative Cost:** \$26,343

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**5/20/2010 Day: 3****Tubing Leak**

Rigless on 5/20/2010 - Workover MIT - On 5/18/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well (Balcron Monument 23-11-9-16). Permission was given at that time to perform the test on 5/18/2010. On 5/19/2010 the csg was pressured up to 1070 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1320 psig during the test. There was a State representative available to witness the test. (Dennis Ingram) API # 43-013-31369

**Finalized****Daily Cost:** \$0**Cumulative Cost:** \$26,643

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096550
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 23-11J
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1787 FSL 2147 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 11 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013313690000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/23/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 04/20/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 04/23/2015 the casing was pressured up to 1109 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1326 psig during the test. There was a State representative available to witness the test - Richard Powell.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> April 27, 2015		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/24/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Richard PowellDate 4/23/15 Time 9:15

am pm

Test Conducted by: Hal Richins

Others Present: \_\_\_\_\_

Well: Balceron Mon. Federal 23-11J-9-16 Field: Monument Butte

Well Location:

NE/SW Sec. 11, T9S, R16EAPI No: 43-013-31369TimeCasing Pressure

0 min	<u>1107.0</u>	psig
5	<u>1107.2</u>	psig
10	<u>1108.0</u>	psig
15	<u>1107.8</u>	psig
20	<u>1108.0</u>	psig
25	<u>1108.6</u>	psig
30 min	<u>1109.0</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1326 psig

Result:

Pass

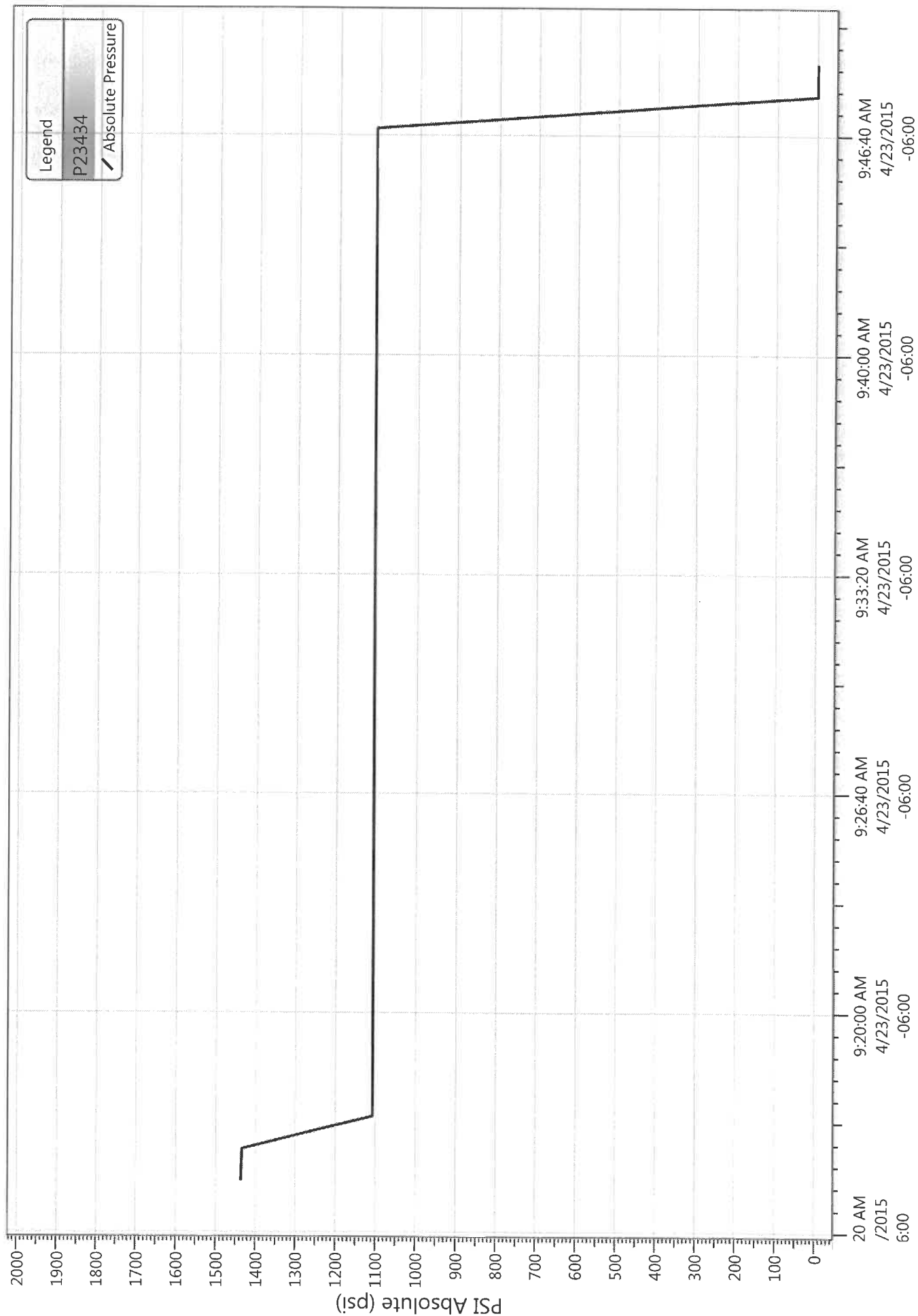
Fail

Signature of Witness:

Signature of Person Conducting Test:

BALCRON MON. FEDERAL 23-11J-9-16 ( 5 YEAR M.I.T. ) 4-23-2015

4/23/2015 9:13:45 AM





Spud Date: 8/30/93  
Put on Production: 10/21/93  
Put on Injection: 10/29/94  
GL: 5621' KB: 5631'

## Balcron Monument Fed 23-11

Initial Production: 110 BOPD,  
165 MCFD, 20 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts (225.31')  
DEPTH LANDED: 277' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 svs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 140 jts (5674.05')  
DEPTH LANDED: 5730.67'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 90 svs Hifill & 350 svs 50:50 POZ.  
CEMENT TOP AT: 2510 per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#  
NO. OF JOINTS: 128 jts (4002.91')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4012.91' KB  
5 1/2" ARROWSET PACKER: 4014' KB  
TOTAL STRING LENGTH: EOT @ 4017.26' KB

### Injection Wellbore Diagram

Cement Top @ 2510'

SN 4013'

EOT 4017'

Packer @ 4014'

4062-4068'

4152-4158'

4212-4224'

4228-4234'

4444-4452'

4710-4717'

4836-4844'

4848-4850'

4858-4864'

4962-4968'

4986-4989'

4992-4998'

5155-5162'

5171-5181'

5579-5590'

5628-5637'

PBTD @ 5683'

TD @ 5750'

### FRAC JOB

Date	Interval	Fracture Description
9/28/93	5155'-5181'	Fracture zone as follows: 28,200# 20/40 sand + 29,180# 16/30 sand in 386 bbls Viking 1-35 fluid. Treated @ avg press of 1800 psi w/ave rate of 23.1 BPM. ISIP 1900 psi. Calc. flush: 5155 gal. Actual flush: 5082 gal.
10/01/93	4840'-4998'	Fracture zone as follows: 30,700# 20/40 sand + 29,500# 16/30 sand in 562 bbls 2% KCl fluid. Treated @ avg press of 2200 psi w/ave rate of 25 BPM. ISIP 1600 psi. Calc. flush: 4840 gal. Actual flush: 4830 gal.
10/01/93	4710'-4718'	Fracture zone as follows: 20,000# 16/30 sand in 277 bbls 2% KCl fluid. Treated @ avg press of 2500 psi w/ave rate of 19.5 BPM. ISIP 2000 psi. Calc. flush: 4710 gal. Actual flush: 4704 gal.
8-23-05	5579-5590'	Fracture CP1 & CP2 sands as follows: 13508#s 20/40 sand in 167 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2724 psi w/ave rate of 14.1 BPM. ISIP 1600 psi. Calc. flush: 1446 gal. Actual flush: 1344 gals.
8-23-05	4444-4452'	Fracture PB11 sands as follows: 14452#s 20/40 sand in 156 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3025 psi w/ave rate of 14 BPM. ISIP 2200 psi. Calc. flush: 1325 gal. Actual flush: 1092 gals.
8-23-05	4152-4234'	Fracture GB4 & GB6 sands as follows: 46326#s 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2581 psi w/ave rate of 14.1 BPM. ISIP 1900 psi. Calc. flush: 1175 gal. Actual flush: 966 gals.
10/09/08		Zone Stimulation - Injection Tubing updated.
05/20/10		Tubing Leak. Tubing detail updated.

### PERFORATION RECORD

Date	Interval	Tool	Holes
9/27/93	5171'-5181'	2 JSPF	20 holes
9/27/93	5155'-5162'	2 JSPF	14 holes
9/27/93	4998', 4996', 4994', 4992', 4988', 4984', 4968', 4962', 4864', 4858', 4864', 4858'	1 JSPF	12 holes
10/01/93	4710'-4717'	2 JSPF	14 holes
10/09/94	4992'-4998'	2 JSPF	12 holes
10/09/94	4956'-4989'	2 JSPF	06 holes
10/09/94	4962'-4968'	2 JSPF	12 holes
10/09/94	4838'-4864'	2 JSPF	12 holes
10/09/94	4848'-4850'	2 JSPF	04 holes
10/09/94	4836'-4844'	2 JSPF	16 holes
8-22-05	5579-5590'	4 JSPF	44 holes
8-22-05	5628-5637'	4 JSPF	36 holes
8-22-05	4062-4068'	4 JSPF	24 holes
8-22-05	4152-4158'	4 JSPF	24 holes
8-22-05	4212-4224'	4 JSPF	48 holes
8-22-05	4228-4234'	4 JSPF	24 holes
8-22-05	4444-4452'	4 JSPF	32 holes

NEWFIELD

Balcron Monument Fed 23-11

1787 FSL 2147 FWL

NESW Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-31369 Lease #U-096550

TW 08/09/10



## NEWFIELD

## Schematic

43-013-31369

Well Name: Blcrn Mon 23-11-9-16

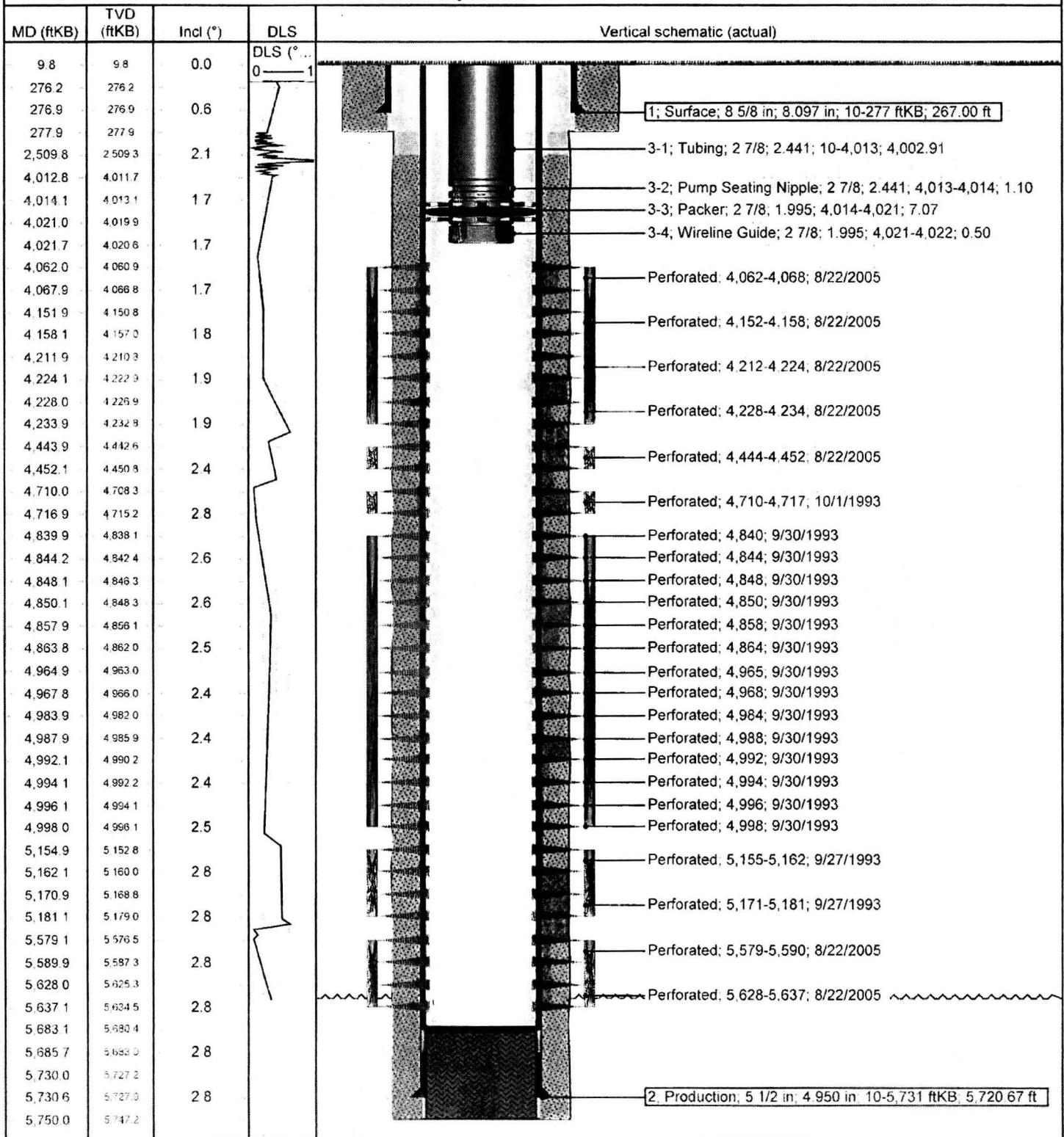
Surface Legal Location	AP/UWI	Well RC	Lease	State/Province	Field Name	County
11-9S-16E	43013313690000	500151814		Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	FBTD (All) (ftKB)
		10/21/1993	5,631	5,621		Original Hole - 5,683.1

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Testing		N/A	4/23/2015	4/23/2015

TD: 5,750.0

Vertical - Original Hole, 12/16/2015 10:01:26 AM



# NEWFIELD



## Newfield Wellbore Diagram Data Blcrn Mon 23-11-9-16

Surface Legal Location 11-9S-16E		API/UWI 43013313690000		Lease	
County Duchesne	State/Province Utah		Basin	Field Name GMBU CTB5	
Well Start Date 8/30/1993		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,631		Ground Elevation (ft) 5,621		Total Depth (ftKB) 5,750.0	
Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB)		Original Hole - 5,683.1	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8/31/1993	8 5/8	8.097	24.00	J-55	277
Production	9/23/1993	5 1/2	4.950	15.50	K-55	5,731

### Cement

#### String: Surface, 277ftKB 8/31/1993

Cementing Company Dowell Schlumberger		Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 278.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description DOWELL CMT W/150 SXS CLASS "G" W/2% CCL + 1/4#/SX CELLOFLAKES		Fluid Type Lead	Amount (sacks) 150	Class G	Estimated Top (ftKB) 10.0

#### String: Production, 5,731ftKB 9/23/1993

Cementing Company Halliburton Energy Services		Top Depth (ftKB) 2,510.0	Bottom Depth (ftKB) 5,750.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description		Fluid Type Lead	Amount (sacks) 90	Class HIFILL	Estimated Top (ftKB) 2,510.0
Fluid Description		Fluid Type Tail	Amount (sacks) 350	Class 50/50 POZ	Estimated Top (ftKB) 4,130.0

### Tubing Strings

Tubing Description				Run Date		Set Depth (ftKB)		
Tubing				8/24/2005		4,021.6		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	128	2 7/8	2.441	6.50	J-55	4,002.91	10.0	4,012.9
Pump Seating Nipple	1	2 7/8	2.441			1.10	4,012.9	4,014.0
Packer	1	2 7/8	1.995			7.07	4,014.0	4,021.1
Wireline Guide	1	2 7/8	1.995			0.50	4,021.1	4,021.6

### Rod Strings

Rod Description				Run Date		Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
6	GB2/GB4/GB6, Original Hole	4,062	4,068	4	90		8/22/2005
6	GB2/GB4/GB6, Original Hole	4,152	4,158	4	90		8/22/2005
6	GB2/GB4/GB6, Original Hole	4,212	4,224	4	90		8/22/2005
6	GB2/GB4/GB6, Original Hole	4,228	4,234	4	90		8/22/2005
5	PB11, Original Hole	4,444	4,452	4	90		8/22/2005
3		4,710	4,717	2	180		10/1/1993
2		4,840	4,840	1	360		9/30/1993
2		4,844	4,844	1	360		9/30/1993
2		4,848	4,848	1	360		9/30/1993
2		4,850	4,850	1	360		9/30/1993
2		4,858	4,858	1	360		9/30/1993
2		4,864	4,864	1	360		9/30/1993
2		4,965	4,965	1	360		9/30/1993
2		4,968	4,968	1	360		9/30/1993
2		4,984	4,984	1	360		9/30/1993
2		4,988	4,988	1	360		9/30/1993
2		4,992	4,992	1	360		9/30/1993
2		4,994	4,994	1	360		9/30/1993
2		4,996	4,996	1	360		9/30/1993
2		4,998	4,998	1	360		9/30/1993
1		5,155	5,162	2	180		9/27/1993
1		5,171	5,181	2	180		9/27/1993



### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
4	CP1/CP2, Original Hole	5,579	5,590	4	90		8/22/2005
4	CP1/CP2, Original Hole	5,628	5,637	4	90		8/22/2005

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,900		25.2	2,250			
2	1,600		35.0	3,000			
3	1,800		21.1	2,510			
4	1,600	0.72	14.1	4,344			
5	2,200	0.93	14.0	3,589			
6	1,900	0.89	14.1	2,769			

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 57380 lb
2		Proppant Bulk Sand 60200 lb
3		Proppant Bulk Sand 20000 lb
4		Proppant Bulk Sand 13508 lb
5		Proppant Bulk Sand 14452 lb
6		Proppant Bulk Sand 46326 lb